

ELECTRONIC EQUIPMENT MAINTAINABILITY DATA

OFFICTED SECTION

Fall 1980

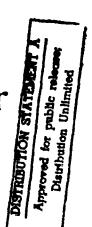


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ELECTRONIC EQUIPMENT MAINTAINABILITY DATA

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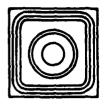
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In addition, a System/Equipment Reliability Corporate Memory (RCM) is also operating under the auspices of the RAC and serves as the focal point for the collection and analysis of all reliability-related information and data on operating and planned military systems and equipment.

Data are collected on a continuous basis from a broad range of sources including testing laboratories, device and equipment manufacturers, government laboratories, and equipment users, both government and nongovernment. Automatic distribution lists, voluntary data submittal, and field failure reporting systems supplement an intensive data solicitation program.

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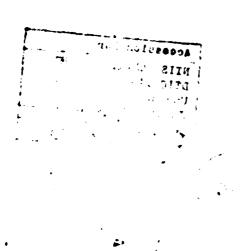
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PREFACE

This is the first of a series of maintainability data publications at the system/equipment level. Other volumes prepared by the Reliability Analysis Center consider reliability of digital microcircuits, discrete semiconductors (including optoelectronic and microwave), hybrids, linear and interface devices, memory/LSI devices, and nonelectronic parts.

The data presented in these reliability and maintainability publications are intended to complement such documents as MIL-HDBK-217, MIL-STD-883, MIL-STD-785, MIL-STD-470 and MIL-HDBK-472. The user is cautioned, however, that the data contained herein may not be used in lieu of contractually cited references.

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INTRODUCTION

This equipment level maintainability compendium provides maintenance and repair time data on military electronic equipments at the subsystem, set, group and unit levels. Due to the possible sensitivity of the numerics presented in the publication, the identification of the equipment has been masked. Each equipment has been assigned an Equipment Identification number (EQUIP ID). This EQUIP ID is unique to an equipment, and it is used consistently throughout the publication.

Section 1 lists the definition of terms and the statistical methods used in the data analysis. Section 2 presents summarizations of the detailed maintainability data presented in Sections 3-4. Sections 3 and 4 present detailed listings of maintainability data in two different ways to assist the analyst in his search for data. In Section 3 the data are sorted by Category, Equip-ID and Data Type. This grouping permits the analyst to trace an equipment's maintainability characteristics through its life cycle. In Section 4 the data are sorted by Category, Data Type, and Equip ID. This grouping allows the analyst to make comparisons between equipments at various points in their life cycle. Section 5 is a detailed listing of program and contract related data. Section 6 presents technical characterization data on the equipment.

All data for this publication have been collected from industry and government agencies by the Reliability Analysis Center. Any additional information concerning this publication may be obtained by contacting the RAC directly.

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SECTION 1

DEFINITION OF TERMS AND STATISTICAL METHODS
USED IN THE DATA ANALYSIS

SECTION 1

DEFINITION OF TERMS AND STATISTICAL METHODS

USED IN THE DATA ANALYSIS

EQUIPMENT ID: Each equipment in the detailed listing is assigned a number for easy reference. These numbers are assigned sequentially as the data are entered into the computer. The number is unique for an equipment and consistent throughout the publication.

<u>DATA ENTRY:</u> One line or item of maintainability data, as described in the Usage Guides of Sections 3 and 4.

NUMBER OF ENTRIES: The quantity of maintainability data items listed under an equipment category, equipment type, or data type.

CATEGORY: Denotes the general functional purpose of the overall equipment. It is usually defined at the Set equipment level. The categories included in this document are:

Radar

Communications

Computer

Electronic Counter Measures/Electronic Warfare

Controls and Display

Guidance and Navigation

Software

Weapons

Test Equipment

EQUIPMENT TYPE: Denotes the specific function of the detail equipment. It is usually defined at the Group or Unit equipment level. The equipment types included in this document are:

Power Supply

Multiplexer/Demultiplexer

Transmitter

Interconnection/Distribution

Receiver

Converter D/A or A/D

Transceiver

Filter

Antenna

Inertial Reference

Amplifier, Audio

Stellar Reference

Amplifier, RF

Frequency/Timing Generator

Amplifier, Video

Cooling/Pressurizing

Computer

Test Circuitry

Memory

Alarm

I/O Device

Signal/Data Processor

Indicator/Control

Miscellaneous

Transducer

Modulator/Demodulator

Coder/Decoder

DATA TYPE: The source of the data described. The data types are:

Specified or Apportioned

Predicted

Demonstrated

Flight or Field Test

Operational

Other

PROGRAM PHASE: The phase of the equipment life cycle to which this data applies. The program phases are:

Development

Production

Operational

MAINTAINABILITY: The ability of an item, under stated conditions of use, to be retained in or restored to a state in which it can perform its required functions or to a specified condition, when maintenance is performed under stated conditions and using prescribed procedures and resources. Maintainability may, depending on the particular analysis situation, be stated by one or several maintainability characteristics.

MAINTAINABILITY PARAMETERS: Due to the variety of different characteristics addressed by maintainability, we have selected seven major maintainability parameters to adequately cover the scope of maintainability efforts. These seven major maintainability parameters are defined as follows:

a) Mean-Time-To-Repair (MTTR):

The statistical mean of the distribution of times to repair.

b) Mean Corrective Maintenance Time (MCT):

The mean time required to complete a corrective maintenance action, i.e., the total maintenance downtime divided by total corrective maintenance actions, over a given period of time.

c) <u>Maximum Corrective Maintenance Time</u> (M_{MAX}):

The maximum time required to complete a specified percentage of all corrective maintenance actions.

Two different repair percentages, 90 and 95 percent, are commonly used relative to M_{MAX} . Therefore, our database distinguishes between:

- 1) M_{MAX} (95%) of all corrective maintenance actions.
- 2) M_{MAX} (90%) of all corrective maintenance actions.

d) Mean Preventive Maintenance Time (MpT):

The mean (or average) equipment downtime required to perform scheduled preventive maintenance on the item, excluding any preventive maintenance time expended on the equipment during operation and excluding administrative and logistic downtime.

e) Maintenance Manhours per Flight Hour or per Operating Hour (MMH/FH/Oper Hr):

The total number of maintenance manhours divided by the total number of aircraft flight hours or the total equipment operating hours, whichever is appropriate.

f) Mean Down Time (MDT):

the support of the su

The mean number of hours during which the item is not in condition to perform its intended function; includes active maintenance (preventive and corrective), supply downtime due to unavailability of needed items, and waiting and administrative time.

g) Built-In-Test Effectiveness (BIT Effect):

This is a measure of the effectiveness of the BIT capability incorporated within the equipment. It addresses both fault detection and fault isolation. The fault detection is concerned with both the BIT's ability to identify faults when they occur and also its ability to prevent indicating failures when they indeed do not exist; i.e., false alarms.

Fault isolation is defined in two tiers allowing progressively higher percentages of faults to be isolated to progressively larger groups of equipment items. For example: a) 50 percent of all faults isolated to 1 Line Replacement Unit (LRU); b) 95 percent of all faults isolated to 3 or less LRUs.

The BIT Effectiveness addresses both automated and non-automated BIT. Therefore, the database makes the following additional distinction:

1) BIT ON-LINE/AUTO:

On-Line or Automatic BIT refers to that capability available without operator intervention or assistance. A periodic automatically initiated, self-test mode would be an example of this capability.

2) BIT OFF-LINE/MANUAL:

Off-Line, Manual or Initiated BIT refers to that capability which may be available through the intervention or assistance of the operator. Manually switching the equipment into a self test operating mode or initiating additional diagnostic tape controlled sequences would be examples of off-line/manual capability.

<u>FAULT DETECTION</u>: The capability of the BIT features to detect and indicate a failure or failures within the equipment itself and/or associated equipments.

FAULT ISOLATION: The capability of the BIT features to subsequently locate and identify the specific hardware item responsible for the detected malfunction.

MAINTENANCE LEVELS: Divisions of maintenance, based on difficulty and requisite technical skill, in which jobs are allocated to organizations in accordance with the availability of personnel, tools, supplies, and time within the organization. Maintenance levels include suborganizational, organizational, intermediate, and depot. Within this report we address three maintenance levels:

a) Suborganizational Maintenance

This is emergency type maintenance performed on the equipment by the operator himself during the mission. For example: in-flight maintenance where possible.

b) Organizational Maintenance

This embraces the maintenance performed by the using organization on its own equipment.

c) Intermediate Maintenance

This is performed by designated maintenance activities in direct support of using organizations.

SAMPLE SIZE: The number of fault data samples from the test or the time period for which the numeric is calculated.

STATISTICAL METHODS

Population Mean =
$$\frac{1}{\sum_{i}^{N} N_{i}} \sum_{i}^{N_{i}} N_{i}^{Y}_{i}$$

where:

 N_i = Sample Size used to calculate the specific maintainability numeric i

$$Y_i$$
 = Maintainability numeric i
Population Standard Deviation (STD. Dev.) = $\left[\sum_{i} N_i (Y_i - Population Mean)^2\right]^{\frac{1}{2}}$

MAINTAINABILITY PARAMETERS USED IN THIS REPORT: Given these various permutations of requirements, the database actually recognizes seventeen different maintainability parameters. Not every parameter is listed for each System/Subsystem/Set/Group/Unit but only those parameters which are applicable to that item. Thus the seventeen different Maintainability Parameters delineated in this report are:

- 1) MTTR SUBORGAN: Suborganizational MTTR
- 2) MTTR ORGAN: Organizational MTTR
- 3) MTTR INTER: Intermediate MTTR
- 4) Mor SUBORGAN: Suborganizational Mean Corrective Time
- 5) M_{CT} ORGAN: Organizational Mean Corrective Time
- 6) M_{CT} INTER: Intermediate Mean Corrective Time
- 7) M_{MAX} (95%) SUBORGAN: Suborganizational Maximum Corrective Maintenance Time for 95 percent of all corrective maintenance actions
- 8) M_{MAX} (95%) ORGAN: Organizational Maximum Corrective Maintenance Time for 95 percent of all corrective maintenance actions
- 9) M_{MAX} (95%) INTER: Intermediate Maximum Corrective Maintenance Time for 95 percent of all corrective maintenance actions
- 10) M_{MAX} (90%) SUBORGAN: Suborganizational Maximum Corrective Maintenance Time for 90 percent of all corrective maintenance actions
- 11) M_{MAX} (90%) ORGAN: Organizational Maximum Corrective Maintenance Time for 90 percent of all corrective maintenance actions
- 12) M_{MAX} (90%) INTER: Intermediate Maximum Corrective Maintenance Time or 90 percent of all corrective maintenance actions
- 13) Mpm: Mean Preventive Maintenance Time
- 14) MMH/FH/OPER HR: Maintenance Manhours per Flight Hour or per Equipment Operating Hour
- 15) MEAN DOWN TIME: Mean Down Time
- 16) BIT ON-LINE/AUTO: Built-in-Test Effectiveness On-Line or Automated
- 17) BIT OFF-LINE/MANUAL: Built-in-Test Effectiveness Off-Line Manual or Initiated

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EQUIPMENT MAINTAINABILITY DATA

SECTION 2

MAINTAINABILITY SUMMARIZED DATA

EQUIPMENT SUMMARIZED DATA

The analyses and summaries of this section have been developed to give the reader a concise overview of various trends in the data. Every attempt has been made to present summaries which will be timely and meaningful to program managers and reliability and maintainability analysts.

This section includes summarized maintainability data.

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MAINTAINABILITY SUMMARIES

Introduction

The summarized maintainability data are presented to provide more meaningful insight into the different kinds of maintainability data that are available and the subtle distinctions between the various different maintainability parameters and maintainability data sources.

Analysis by Maintainability Parameter

Tables 1 through 20 present merged data summaries of the different maintainability parameters. The first six tables address MTTR and/or $M_{\rm CT}$. Summaries are presented both at the equipment black box level and at the higher (system, subsystem, set, etc.) level.

Equipment or black box level is defined as any item which contains an equipment type (i.e., power supply, RF amplifiers, etc.) designator. Higher level is defined as any item which does not contain an equipment type designator. It is usually a group of items composed of a number of different equipment types and designated as a group, set, subsystem or system. The data are delineated by data source, i.e., specified/allocated, predicted, demonstrated, field test or field operation. The data entries for a given data type are further delineated by equipment category, i.e., radar, communications, etc.

The next six tables address M_{MAX} 90/95%. Summaries are presented at both the equipment black box level and at the higher level. The data are identified by data source and by equipment category also.

Table 13 addresses the Mean Preventive Maintenance Time at the higher level. The data are identified by data source and by equipment category also.

Tables 14 and 15 address maintenance manhours per flight hour or per operating hour. Summaries are presented both at the equipment black box level and at the higher level. The data are identified by data source and by equipment category.

Mean Down Time at the higher level is addressed by Table 16. At present, the only Mean Down Time Data is based on field operation.

Table 17 addresses the effectiveness of the built-in-test capability. It identifies the probability of fault detection and the probability of fault isolation both to a single module and to a group of three or less modules. The data are identified by data source.

Tables 18, 19 and 20 portray the distribution of the maintainability data presented in this databook.

Table 18 shows the data distribution by the application environment in which the equipment is to be utilized. As can be seen at present the vast majority of the maintainability data entries are for Airborne Equipment.

Table 19 shows the data distribution by the type of data recorded, such as specified or allocated, predicted, demonstrated, field test, field operation, etc. Approximately one half of the maintainability data at present are predicted values while an additional one fourth of the data entries are specified or allocated values.

Table 20 shows the data distribution by the specific parameter recorded, such as MTTR/M $_{\rm CT}$, M $_{\rm MAX}$, MMH/FH/OPHR, BIT Effectiveness, etc. The MTTR/M $_{\rm CT}$ and M $_{\rm MAX}$ are further delineated by the different maintenance levels such as suborganizational, organizational and intermediate. At present organizational level MTTR/M $_{\rm CT}$ data is the predominate parameter recorded with significant numbers of organizational M $_{\rm MAX}$ and MMH/FH/OPHR data entries also.

Comparative Analysis

Figures 1 through 8 are scatter diagrams intended to present comparisons of a specific maintainability parameter for identical equipment from different data sources. The maintainability parameter utilized and the applicable data sources compared are:

- Fig. 1 Suborganizational MTTR/M $_{
 m CT}$ predicted vs demonstrated
- Fig. 2 Suborganizational MTTR/M $_{\mbox{\footnotesize{CT}}}$ specified/allocated vs demonstrated
- Fig. 3 Suborganizational M_{MAX} 90/95% predicted vs demonstrated
- Fig. 4 Suborganizational M_{MAX} 90/95% specified/allocated vs demonstrated
- Fig. 5 Organizational MTTR/M $_{
 m CT}$ predicted vs demonstrated
- Fig. 6 Organizational MTTR/M $_{
 m CT}$ specified/allocated vs demonstrated
- Fig. ? Organizational M_{MAX} 90/95% predicted vs demonstrated
- Fig. 5 Organizational M_{MAX} 90/95% specified/allocated vs demonstrated

In each case the data point is indicated by the specific Equipment ID number. In a few cases duplicate data points with the same ID number indicate the existence of duplicate tests or predictions.

TABLE 2-1
Suborganizational Maintenance MTTR/MCT at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mttr/M _C T (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	0.243	0.010
Radar	0		
Computer	1	0.230	0.000
Display	1	0.250	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.250	0.000
Predicted	12	0.215	0.055
Radar	10	0.222	0.053
Computer	1	0.130	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.230	0.000
Demonstrated	1	0.190	0.000
Radar	0		
Computer	1	0.190	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-2
Organizational Maintenance MTTR/MCT at the Equipment Level by Data Type and Equipment Category.

	No. of	Population Mttr/M _{CT}	Population Std. Dev.
Date Type/Category	Entries	(Hrs.)	(Hrs.)
Specified/Allocated	50	0.974	0.893
Radar	11	0.876	0.680
Computer	16	0.796	0.468
Display	5	0.632	0.157
Electronic Warfare	0		
Guidance and Navigation	8	1.188	0.275
Test Equipment	1	5.000	0.000
Communications	9	0.967	1.264
Predicted	96	0.886	1.863
Radar	30	1.473	1.313
Computer	19	0.371	0.669
Display	8	0.384	0.120
Electronic Warfare	0		
Guidance and Navigation	10	0.630	0.206
Test Equipment	1	2.000	0.000
Communications	28	1.079	0.903
Demonstrated	7	1.137	8.977
Radar	0		
Computer	1	0.270	0.000
Display	1	0.400	0.000
Electronic Warfare	1	1.850	0.000
Guidance and Navigation	0		
Test Equipment	0		
Communications	4	6.685	8.785
Field Test	20	0.317	0.292
Radar	19	0.241	0.234
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.680	0.000
Field Operation	14	2.763	4.545
Radar	4	0.848	0.269
Computer	1	3.700	0.000
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	9	0.122	0.204

TABLE 2-3 $\label{eq:table_eq} \mbox{Intermediate Maintenance MTTR/MCT at the Equipment Level by Data Type and Equipment Category. }$

Date Type/Category	No. of Entries	Population Mttr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	0.667	0.289
Radar	1	1.000	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.500	0.000
Test Equipment	0		
Communications	0		
Predicted	8	1.279	1.514
Radar	1	0.760	0.000
Computer	0		
Display	0		
Electronic Warfare	0.		
Guidance and Navigation	7	1.353	1.620
Test Equipment	0		
Communications	0		
Demonstrated	2	1.200	0.000
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	1.200	0.000
Test Equipment	0		
Communications	0		
Field Test	19	0.278	0.379
Radar	19	0.279	0.379
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	12	0.504	0.615
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications .	12	0.504	0.615

0.00 7.00 (0.10	No. of	Population Mttr/M _{CT}	Population Std. Dev.
Date Type/Category	Entries	(Hrs.)	(Hrs.)
Specified/Allocated	6	0.240	0.022
Radar	2	0.255	0.000
Computer	2	0.215	0.020
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.250	0.000
Predicted	8	0.228	0.070
Radar	3	0.213	0.046
Computer	2	0.155	0.035
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	3	0.290	0.052
Demonstrated	5	0.203	0.437
Radar	2	0.022	0.100
Computer	1	0.210	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.236	0.153
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-5

Organizational Maintenance MTTR/MCT at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mttr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	37	1.148	1.052
Radar	7	0.987	0.423
Computer	11	1.162	0.866
Display	1	0.500	0.000
Electronic Warfare	0		
Guidance and Navigation	4	0.658	0.378
Test Equipment	4	3.000	1.354
Communications	10	1.352	0.750
Predicted	38	0.979	0.722
Radar	8	1.149	0.457
Computer	9	1.040	1.145
Display	1	0.760	0.000
Electronic Warfare	0		
Guidance and Navigation	5	0.574	0.318
Test Equipment	4	1.705	0.491
Communications	11	0.744	0.486
Demonstrated	18	0.657	3.246
Radar	9	0.765	4.072
Computer	5	0.325	0.491
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.330	0.000
Test Equipment	0		
Communications	2	0.665	2.625
Field Test	1	1.840	0.000
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	1.840	0.000
Test Equipment	0		
Communications	0		
Field Operation	4	0.798	2.021
Radar	1	1.500	0.000
Computer	1	3.800	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0	0.003	0.000
Communications	2	0.057	0.000

TABLE 2-6

Intermediate Maintenance MTTR/MCT at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mttr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	2	0.809	0.271
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	1.000	0.000
Test Equipment	0		
Communications	1	0.617	0.000
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	4	0.391	0.552
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0	0.301	n een
Communications	4	0.391	0.552

TABLE 2-7 Suborganizational Maintenance $\mathbf{M}_{\mbox{MAX}}$ at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMAX (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	0.500	0.000
Radar	0		
Computer	1	0.500	0.000
Oisplay	1	0.500	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.500	0.000
Predicted	12	0.255	0.091
Radar	10	0.270	0.091
Computer	1	0.130	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.230	0.000
Demonstrated	1	0.200	0.000
Radar	0		
Computer	1	0.200	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	, 0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
`ommunications	0		

TABLE 2-8 $\label{eq:TABLE 2-8}$ Organizational Maintenance $\mbox{M}_{\mbox{MAX}}$ at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMAX (Hrs.)	Populatio Std. Dev. (Hrs.)
Specified/Allocated	25	2.018	1.550
Radar	0		
Computer	15	1.837	0.777
Oisplay	5	1.652	0.407
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	5	2.928	3.287
Predicted	67	1.713	2.128
Radar	29	3.064	2.589
Computer	14	0.344	0.186
Display	8	0.563	0.295
Electronic Warfare	0		
Guidance and Navigation	1	2.000	0.000
Test Equipment	0		
Communications	15	0.973	0.930
Demonstrated	3	0.528	0.525
Radar	0		
Computer	1	0.450	0.000
Display	1	0.600	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0	0.600	0.000
Communications	1	0.600	0.000
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
COMMENT LEGIC (DISS	Ū		

TABLE 2-9 . Intermediate Maintenance \mathbf{M}_{MAX} at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMAX (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	2.000	0.866
Radar	1	3.000	0.000
Computer	0		
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	2	1.500	0.000
Test Equipment	0		
Communications	0		
Predicted	3	1.832	2,311
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	3	1.832	2.311
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
field Operation	0		•
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	v		

TABLE 2-10 Suborganizational Maintenance $\mathbf{M}_{\mbox{MAX}}$ at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMAX (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	6	0.500	0.000
Radar	2	0.500	0.000
Computer	2	0.500	0.000
Oisplay	2	0.500	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	8	0.266	0.087
Radar	3	0.280	0.078
Computer	2	0.170	0.057
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	3	0.317	0.076
Demonstrated	5	0.265	0.459
Radar	2	0.080	0.246
Computer	1	0.220	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.300	0.000
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-11 $\label{eq:max} \mbox{Organizational Maintenance $M_{\mbox{MAX}}$ at the Higher Level by Data Type and Equipment Category. }$

Date Type/Category	No. of Entries	Population MMAX (Hrs.)	Population Std. Dev
Specified/Allocated	23	3.113	1.785
Radar	4	2.989	0.489
Computer	6	2.533	1.955
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	1	3.200	0.000
Test Equipment	2	6.000	0.000
Communications	10	3.287	1.770
Predicted	26	1.537	1.011
Radar	7	2.371	0.859
Computer	4	0.600	0.099
Display	0		
Electronic Warfare	0		
Guidance and Navigation	3	1.078	0.890
Test Equipment	2	2.950	1.061
Communications	10	1.183	0.676
Demonstrated	15	0.958	5.332
Radar	7	1.039	6.790
Computer	5	0.826	4.753
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	0.520	0.000
Test Equipment	0		
Communications	2	0.857	3.433
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-12

Intermediate Maintenance $\mathbf{M}_{\mbox{MAX}}$ at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMAX (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	0		
Radar	0		
Computer	0		
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	2	1.308	0.979
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	1.308	0.979
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

 $\label{eq:table 2-13} \ensuremath{\mathsf{Mean}} \ensuremath{\mathsf{Preventive}} \ensuremath{\mathsf{Time}} \ensuremath{\mathsf{at}} \ensuremath{\mathsf{the}} \ensuremath{\mathsf{Higher}} \ensuremath{\mathsf{Eevel}} \ensuremath{\mathsf{by}} \ensuremath{\mathsf{Data}} \ensuremath{\mathsf{Type}} \ensuremath{\mathsf{and}} \ensuremath{\mathsf{Equipment}} \ensuremath{\mathsf{tateqory}}.$

Date Type/Category	No. of Entries	Population MpT (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	2	1.150	0.212
Radar	1	1.300	0.000
Computer	0		
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	1	1.000	0.000
Test Equipment	0		
Communications	0		
Predicted	1	0.237	0.000
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	0.237	0.000
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-14

Maintenance Manhours per Flight Hour/Operating Hour at the Equipment Level by Data Type and Equipment Category.

		Population	Population
	No. of	MMH/FH	Std. Dev.
Date Type/Category	Entries	(Hrs.)	(Hrs.)
Specified/Allocated	25	0.033	0.050
Radar	0		
Computer	11	0.018	0.017
Oisplay	5	0.071	0.072
Electronic Warfare	0		
Guidance and Navigation	8	0.032	0.062
Test Equipment	0		
Communications	1	0.008	0.000
Predicted	25	0.021	0.025
Radar	0		
Computer	11	0.017	0.017
Display	5	0.044	0.042
Electronic Warfare	0		
Guidance and Navigation	8	0.013	0.014
Test Equipment	0		
Communications	1	0.004	0.000
Demonstrated	1	0.900	0.000
Radar	0		
Computer	1	0.900	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	68	7.537	18.787
Radar	29	4.565	6.299
Computer	5	2.024	10.332
Display	12	9.043	14.749
Electronic Warfare .	5	1.911	0.719
Guidance and Navigation	12	10.148	32.090
Test Equipment	0		
Communications	5	13.554	20.308
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-15

Maintenance Manhours per Flight Hour/Operating Hour at the Higher Level by Data Type and Equipment Category.

	No. of	Population MMH/FH	Population Std. Dev.
Date Type/Category	Entries	(Hrs.)	(Hrs.)
Specified/Allocated	18	0.755	1.565
Radar	2	4.700	2.121
Computer	2	0.142	0.069
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.139	0.186
Test Equipment	2	0.100	0.000
Communications	10	0.343	0.459
Predicted	18	0.299	0.572
Radar	2	1.785	0.346
Computer	2	0.106	0.096
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.058	0.071
Test Equipment	2	0.035	0.020
Communications	10	0.141	0.218
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	14	6.647	21.904
Radar	1	5.400	0.000
Computer	2	2.025	1.837
Display	2	3.850	0.520
Electronic Warfare	2	1.877	1.372
Guidance and Navigation	3	4.977	28.460
Test Equipment	1	0.183	0.000
Communications	3	14.703	24.617
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

 $\label{eq:table 2-16} \mbox{\colored}$ Mean Down Time at the Higher Level by Data Type and Equipment Category.

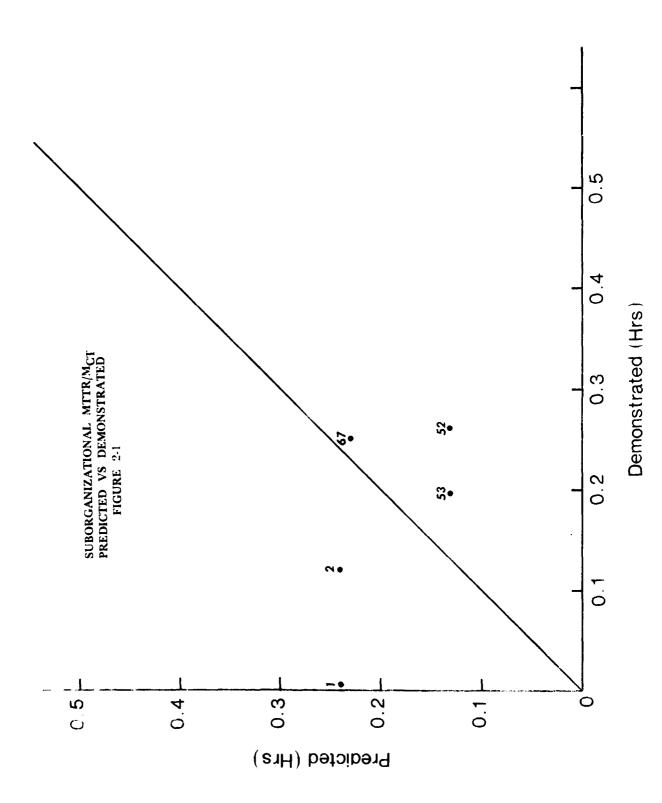
	No. of	Population MDT	Population Std. Dev.
Date Type/Category	Entries	(Hrs.)	(Hrs.)
Specified/Allocated	0		
Radar	0		
Computer	0		
Oisplay	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	1	7.000	0.000
Radar	1	7.000	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

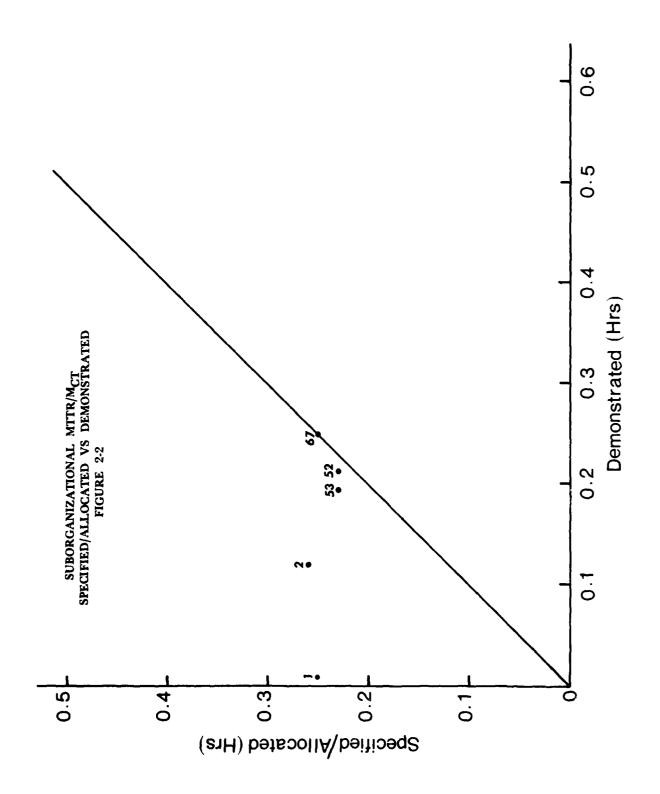
TABLE 2-17

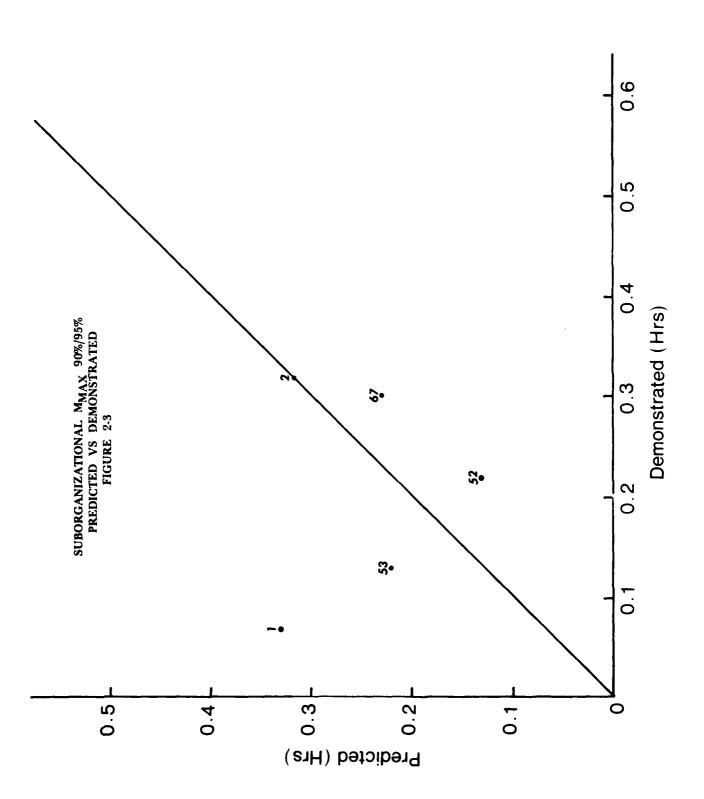
AVERAGE BIT EFFECTIVENESS ON-LINE/OFF-LINE

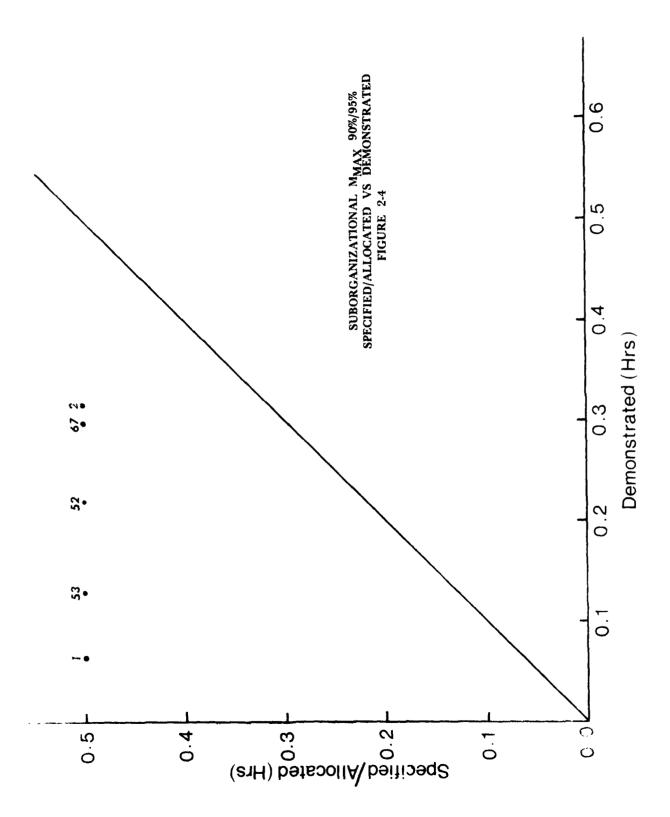
BY DATA TYPE

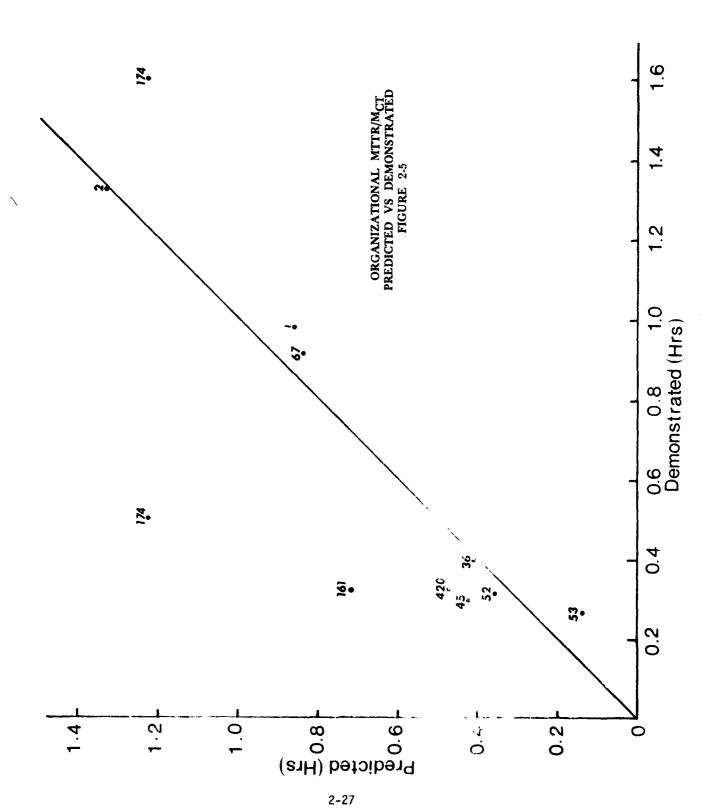
Data Type	Probability Of Fault Detection		Probability Of Fault Isolation to One Module		Probability Of Fault Isolation to Three Modules	
	No. of Entries	Value	No. of Entries	Value	No. of Entries	Value
Specified/ Allocated	8	94.4%	9	87.0%	12	94.6%
Predicted	17	89.6%	23	88.0%	26	97.0%
Demonstrated	8	98.4%	8	82.6%	10	88.9%
Field Test	0		0		0	
Field Operation	11	97 • 3%	0		19	57.8%

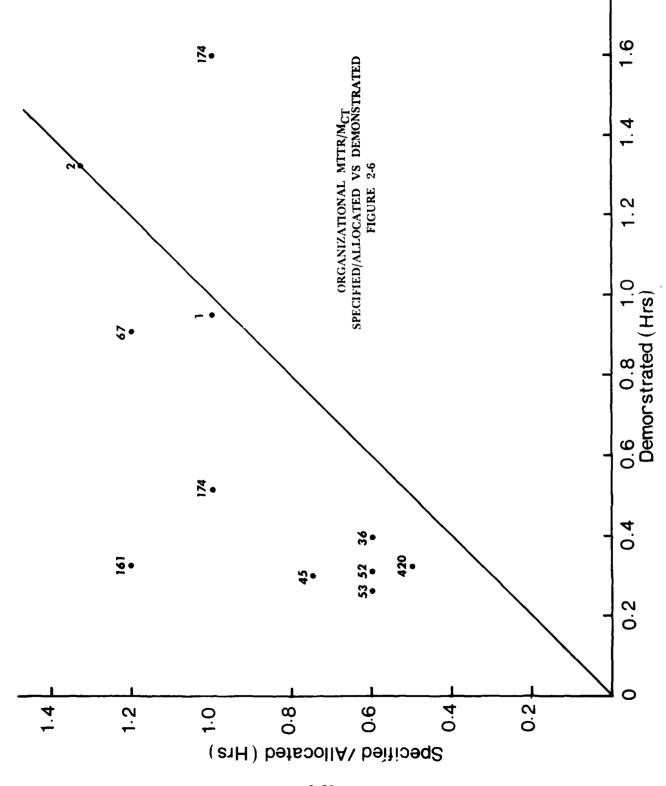












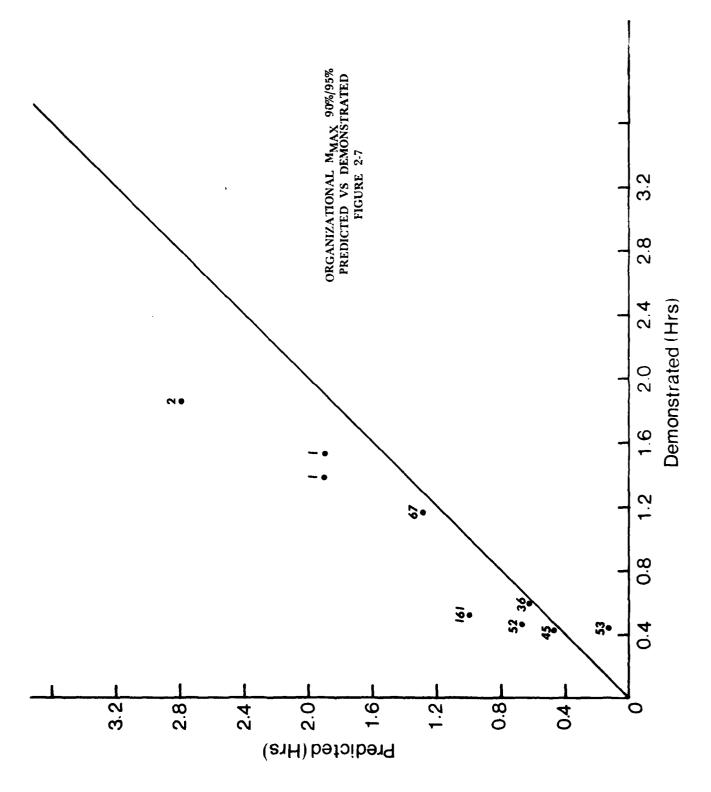


TABLE 2-18

MAINTAINABILITY DATA DISTRIBUTION BY APPLICATION

Application	Data Entries	Percentage
Airborne Equipment	712	86.6
Ground Equipment	106	12.8
Other Applications	5	0.6
Total	823	100

TABLE 2-19

MAINTAINABILITY DATA DISTRIBUTION BY DATA TYPE

Data Type	Data Entries	Percentage
Specified/Allocated	219	26.6
Predicted	358	43.5
Demonstrated	69	8.4
Field Test	122	14.8
Field Operation	_55	6.7
Total	823	100

TABLE 2-20

MAINTAINABILITY DATA DISTRIBUTION BY PARAMETER

Parameter	Data Entries	Percentage
MTTR/MCT Suborganizational Organization Intermediate	35 285 <u>50</u> 370	4.2 34.5 <u>6.1</u>
Subtotal M MAX (90%/95%) Suborganizational Organization	35 159	44.8 4.2 19.3
Intermediate Subtotal	<u>8</u> 202	$\frac{1.0}{24.5}$
MMH/FH/OPHR	169	20.5
BIT AUTO/MANUAL	78 -	9.7
Mean Preventive Time Mean Down Time	3	0.4
Total	' 823	<u>0.1</u> 100

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EQUIPMENT MAINTAINABILITY DATA

SECTION 3

DETAILED LISTINGS

MAINTAINABILITY COMPARISON DATA

BY EQUIPMENT CATEGORY

DETAILED LISTINGS

BY CATEGORY AND EQUIPMENT ID

Section 3 contains detailed listings of maintainability data contained in the RCM automated database. Included are maintainability numerics experienced during field operation, simulated operation and demonstration tests. Also included are specified, allocated and predicted maintainability numerics.

Entries in this section are organized first by category and by maintainability parameter, then by equipment identification number and data type. The data are organized in this manner so that the reader may readily observe the maintainability growth of the equipment.

A complete explanation of the terms and abtreviations used in the detailed listings may be found in the Usage Guide, pages 3-3 to 3-5.

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USAGE GUIDE

The description given below applies to the computer listings of this section. The circled numbers shown in the sample tabulation form below refer to the explanatory text that follows. A few minutes familiarizing oneself with the information supplied below will aid user interpretation of the data contained herein.

; CATECORY()	COMMUNICATIONS	DATA TYPE ②	SPEC LF SEB/ALLOCATION		:
; ID : MASE: PARA	HITYPE: DATE: BATE:DETECT: AL	LSF: FAULT ISOLATE : HAINT :SAN ARH: I LRU: X:[AUS : MUHERIC: S	2E :	RIMARIS (G)	1
0 0 0	6 0 0 0 0	0 0 0 0 0	3 :		:

- 1) <u>CATEGORY</u>. Denotes the general functional purpose of the overall equipment as usually defined at the Set equipment level.
- 2 MAINT PARAM. Maintainability Parameter. Indentifies the specific parameter for which this data is a measure. The codes for MAINT PARAM are:

1	MTTR Suborganizational	10	M _{MAX} (90%) Suborganizational
2	MTTR Organizational	11	M _{MAX} (90%) Organizational
3	MTTR Intermediate	12	M _{MAX} (90%) Intermediate
14	M _{CT} Suborganizational	13	$M_{ m PT}$
5	M _{CT} Organizational	14	MMH/FH/OP HR
6	M _{CT} Intermediate	15	Mean Downtime
7	M _{MAX} (95%) Suborganizational	16	BIT ON-LINE/AUTO
8	M _{MAX} (95%) Organizational	17	BIT OFF-LINE/MANUAL
9	M _{MAX} (95%) Intermediate		

- 3 EQUIP ID. The unique identifier assigned to an equipment.
- PROG PHASE. Program Phase. The codes for Program Phase are:

- 1 Development
- 2 Production
- 3 Operational
- 5 <u>EQ TYPE</u>. Equipment Type. Denotes the specific functional purpose of the equipment as usually defined at the Group or Unit equipment level. The codes for EQ TYPE are:

01 Power Supply	15	Multiplexer/Demultiplexer
02 Transmitter	16	Interconnection/Distribution
03 Receiver	17	Converter D/A or A/D
04 Tranceiver	18	Filter
05 Antenna	19	Inertial Reference
06 Amplifier, Audio	20	Stellar Reference
07 Amplifier, RF	21	Frequency/Timing Generator
08 Amplifier, Video	22	Cooling/Pressurizing
09 Computer	23	Test Circuitry
10 Memory	24	Alarm
11 I/O Device	25	Signal/Data Processor
12 Indicator/Control	26	Miscellaneous

14 Coder/Decoder

DATA TYPE The source of the maintainability

13 Modulator/Demodulatory

6 DATA TYPE. The source of the maintainability data. The codes for DATA TYPE are:

27 Transducer

01 Specified or Apportioned 04 Flight or Field Test
02 Predicted 05 Operational
03 Demonstrated 06 Other

- (7) START DATE. Start date of test or period of concern (MMYY).
- 8 END DATE. End data of test or period of concern. If the start and end dates of the test are unknown, then the date on the source documentation is coded in this field (MMYY).

- 9 FAULT DETECT. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of detecting a given fault.
- FALSE ALARM. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of indicating a fault when none exists.
- FAULT ISOLATE 1 LRU. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to a single Line Replaceable Unit (LRU) or Shop Replaceable Unit (SRU).
- FAULT ISOLATE X. Applicable only when MAINT PARAM is 16 or 17. This field denotes the LRU or SRU group size to which the probability listed in field FAULT ISOLATE LRUs applies.
- (3) <u>FAULT ISOLATE LRUS</u>. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to X LRUs or SRUs.
- MAINT NUMERIC. The numeric value, in hours, of the maintainability parameter. Applicable for all MAINT PARAM except 16 or 17.
- (5) <u>SAMPLE SIZE</u>. The number of maintenance actions on which the applicable numeric is based.
- REMARKS. Any additional data or background information which may be pertinent to this maintenance activity.

MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPAKISON DATA

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MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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EQUIP : PROG : EQ :	PRIASI	. E8	125	DATA:START: TYPE: DATE:	T: EN	END : FAULT DATE: DETEC	LT : F/	: FALSE: F.	AULT I	FAULT ISOLATE I LRU : X:LRUS	: MAINT	:PROG : RQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: :PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :		REWARKS	
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: CATEGORY	2			COMPUTER	E E			\ 	<u> </u>		MAIN	TAINABIL:	MAINTAINABILITY PARAMETER	BIT OFF LINE/MANUAL	
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\$4	7		<u>.</u>	3 :047(6 :047	:0476 :0476 : 98.0	0.		0.48	3: 98.0:	000.	05 : 0			
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MAINTAINARILITY COMPAKISON DATA

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MAINT SAMPLE: MAINT START: END: FAULT: FALSE: FAULT: ISOLATE: MAINT SAMPLE:	CATEGORY			CONTR	OLS/DISPLAY	r.s			MAINTAIN	VABILIT	Y PARAMETER	MTTR SUBORCAN	-
2 12 1 : 0178 :	EQUIP : PR.	OG : EC	1 - 3	ATA: STA		AULT : FAL	SE: FAULT			SAMPLE: SIZE:		REMARKS	
RASE_TYPE: TYPE: DATE: DATE: FAULT FALSE: FAULT ISOLATE HAINT SAMPLE:	ļ		5		: 0178				.250				
PROG : EQ : DATA: START: END : FAULT : FALSE: FAULT ISOLATE : HAINT : SAMPLE: PHASE: TYPE: DATE: DATE	: CATEGORY		İ	CONTR	OLS/DISPLAY	YS			MAINTAI	NABILIT	Y PARAMETER	MITR ORGAN	
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2 12 6 1017 10476 1 1 12.000 1 1 18EL 1 12 6 10177 10477 1 1 12.000 1 1 18EL 1 1 12 6 10374 10375 1 1 12.000 2 18EL 2 12 12 6 10675 10975 1 1 12.000 2 1 18EL 2 12 12 10 10675 10975 1 1 12.000 1 2 18EL 2 12 10 10 10 10 10 10 10 10 10 10 10 10 10	212	2 : 12		ł	. 5 : 0975				1.430	4	REL PROD		•• •• •
2 : 12 : 6 : 0374 : 0375 : : : : : : : : : : : : : : : : : : :	212 :	2 : 12				•• •• •	·· ·· ··		:24.000 :	-	REL PROD		• •• ••
1 12: 6:0374:0375: ::::::::::::::::::::::::::::::::::::	212 :	. 2						 	:12.000 :	- · · ·	REL PROD		•• ••
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2 : 12 : 6 : 0675 : 0975 :	: 213 : : :	7 : 1							: 5.000 :		REL DEMO		••
1 11 12 6 :0374 :0375 : <td< td=""><td>215 :</td><td>2 : 13</td><td></td><td></td><td>.5 :0975 : :</td><td>.</td><td></td><td></td><td>: 2.750 :</td><td></td><td>REL PROD</td><td></td><td>•• ··</td></td<>	215 :	2 : 13			.5 :0975 : :	.			: 2.750 :		REL PROD		•• ··
2 : 12 : 6 :0675 :0975 : : : : 4.000 : 1 2 : 12 : 1 : :0178 : : : .600 :	216 :	. 1. 1.			.4 :0375 :	•••	. .		. 500		REI, DEMO		•• ••
2 : 12 : 1 : :0178 : : : :					5 :0975 :				. 4.000		REL PROD		••
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MAINTAINABILITY COMPAPISON DATA

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 96	. 5	: 12	: 2		:0178		••				. 410		
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36	7	: 12	. 3	:0275	:0375				 	••	: 400	: 20 :	
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37 :	2 :	: 12	-						 		. 880	••	
••					٠.	••				••	•		
37	7 :	: 12	: 2	••						••	. 560		
••										••	••		
38	: 2	: 11	~ ::						 	••	. 580		
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38	: 3	: 11	: 3							••	780		
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36	. 2	: 12	- :		:0178	 x				••	. 450		
••									••	••	••	••	
39:	: 3	: 12	: 5		:0178	 œ			••	••	.350		
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41	: 5	6 :	: 2							••	. 250	••	
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45	7 :	 5	: 2							••	. 370	••	
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43:	: 5	: 12	~ 				••	٠.	••	••	: 650	••	
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43:	. 2	: 12	: 2	••						••	. 560		
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CONTROLS (DISPLAYS		CALCADOLO V. CO. A Alexa
	AINTAINABILITY PARAMETER F. N. 3941 SUBURGAN	E W COLL SUBURCHIN
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	: : .500: : :	

MAINTAINAPILITY COMPARISON DATA

: CATECORY	ORY			CONTROLS/DISPLAYS	rs/bis	PLAYS				Ē	HAINIALNABILIII FANAMFIER	ייייטייט (איטר איטריין
EQUIP	Ä.E	SE: T	IPE: T	EQUIP :PROG : EQ : DATA:START: END :FAULT ID :PHASE:IYPE: TYPE: DATE: DATE:DATE:	T: END E: DAT	: FAULT	: FALSE T:ALARM	FAULT 1 LRU	ISOLATE X: LRUS	. MAI	: FALSE: FAULT ISOLATF : MAINT :SABPLE: T:ALARH :1 LRU : X:LRUS :NUMERIC: SIZE :	REYARKS
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36					:0178					. 1.6	1.600 : :	
£ ::.			 ~							·	: : 054.	
36			12 :	3 :0275	:0275 :0375						. 600 : 50 :	
٠.												
37			12 : 1				••			: 2-7	2.290 : :	
	••	••										
37			12: 2		••						1.030:	
	••	••		••								
38			: :							-	1.510:	
•	•-	••	• -									
38											.280 : :	
		••	•.									
39			12: 1		:0178						1.170 : :	
		••		••					••			
39		- -:			:0178					5.	: : : : : :	
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9		 									.350:	
	••	••	٠.	••								
14			. 6							e: 	300 : :	
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4.5			. 6			••			••		. 470 : :	
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43			12: 1				•-		••	: 1.690	: : 069	
				••		<i>.</i> .						
43		-	12: 2						••	 	: : 096.	
	٠.	••	•				••					

EQUIP PROC: EQ: DATA:START: END :FAULT ISOLATE: NAINT:SAMPLE: ID :PHASE:TYPE: TYPE: DATE:	: CATECORY	CONTROLS/DISPLAYS			MAINTAINABILITY PAKAMETER	AKAMETER MYH	MAH/FH/OPEK HP
203: 1: 12: 4:0772:1174: :: :: :: 8.500: 2: CAT L;NEAN MAINTENANCE. MANHOURS. 205: 1: 12: 4:0772:1174: :: :: :: :: :: :: :: :: :: :: :: :: :	EQUIP : PROC :	EQ : DATA:START: END : YPE: TYPE: DATE: DATE:	FAULT : FALSE: DETECT:ALARE: :1	FAULT ISOLATE LRU : X:LRUS	: MAINT :SAMPLE: :NUMFRIC: SIZE :		RET: AHKS
		::	-: :				
	203 : 1 :	12 : 4 :0772 :1174 :		 	: 8.500 : 2 :CAT	I ; NEAN MAINTENANCE M	ANHOURS.
	: 205 : 1 :	12: 4:0772:1174:			:12.800 : 17 :CAT	I, PFAN PAINTENANCE M	ANHOURS.

PAINTAINAPILITY COMPARISON NATA

: CATECORY	~		د	ONTROES	CONTROLS/DISPLAYS	s			41.14	777	TAINIAINAGITII FARANTIN	
EQUIP :	: PROG : EO	: PROG : EO :		DATA:START: TYPE: DATE:		END :FAULT : FALSE: FAULT DATE: DATE	END :FAULT : FALSE: FAULT ISOLATE DATE:DFTECT:ALARY :1 LRU : X:LRUS	ISOLATE X:LRUS	: MAINT : SAMPLE:	SAMPLE	RETARKS	
208	-	12	4	: 0772	1174	! ! ! ! ! ! !			. 9000.6	3	:CAT 1; WEAN HAINTENANCE MANHOURS.	
212	-	: 12	4	: 2770:	: :1174 :	. .			: 20.200:	10	: :CAT I; WFAX! MAINTENANCE MANHOURS	
213	-	: 12 :	4	: :0772	: 1174 :				: 5.700 :	-	: :CAT I;HFAN MAINTERANCE MANHOURS	
215 :	-	: 12 :	4	: 2770:	: 1174 :				: 1.0 ⁰ 0 :	-	: :CAT I;MFAN HAINTFNANCE MANHOURS	
216 :	_	: 12 :	4	: 5770:	: 1174 :	·· ··			2.700 :	2	::CAT I; HEAN HAINTENANCE HANHOUKS	
220 :	-	: 12	4	: 2770:	: 1174 :				3.140	S	: :CAT I;MFAN YAI!TENANCE MANHOURS.	
309	-		4	: 2770:	: 1174 :				. 4.000	3	::CAT I.	
310 :	-	: 25 :	4	: : : : : : : : : : : : : : : : : : : :	: :1174 :				3.100 :	-	: :CATI TEST. MEAN MAINTENANCE MANHOURS.	
312	-	: 12 :	4	: 2770:	: ::1174				: 4.500 :	12	: :CAT I	
314 :	-	. 26 :	4	: ::	: 1174				5.600 :	٠	:CAT I.	
327 :	-		4	: 2770:	: ::1174 ::				3.400 :	7	: :CAT I	
329 :	_	: 12 :	4	: 2770:	: 1174				3.400 :	7	: CAT I	
36	8	: 12 :	-		: 0178	.	·· ••	·· ··	180			
36 ::	8	: 12 :	7		: 0478 :				108		<u></u>	
37 :	7	: 12 :	-						010			
37 :	7	12 :	7			•• ••			. 210.			
38	8	: :: :::	_		·· ••			·• ·•	. 100.			
38 :	7	: 11	7		•• ••				. 100. :		: :M=.0002	
39 :	7	: 12 :	-		•• ••				. 480. :		·· ··	
39 :		: 12 :	7			, .			037			
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MAINTAINABILITY COMPARISON BATA

Transfer of the second

EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAPPLE: RELARES RELARES	: CATEGORY	RY		CONTR	OLS/DIS	CONTROLS/DISPLAYS				MAINIAI	NABILI	MAINTAINABILITY PARAMETER	MCH/PH/OPEK HK
2 12 2 2	EQUIP ID	PROC PHASE	EQ :	DATA: STA TYPE: DA	KT: ENI TE: DAT		: FALSE: [:ALAKM :1	FAULT LRU:	ISOLATE X:LRUS	: MAINT : : NUMERIC:	SAY:PLE SIZE		REMARKS
CONTROLS/DISPLAYS CONTROLS/DISPLAYS HASE: TYPE: DATA: START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE HASE: TYPE: DATE: DATE: DEFECT: ALARH : 1 LRU : X:LRUS : NUNFRIC: SIZE 12 : 1 : : 98.0 : 90.0 : 3: 95.0 : .000 : 2 : 12 : 1 : :0478 : : 75.0 : 3: 90.0 : .000 : 19 2 : 12 : 3 :0874 : 0874 : 99.9 : 58.8 : 3: 70.6; .000 : 50 50 50 50 50 50 50	43	2	12	2 ::						. 090			
FALSE: FAULT ISOLATE: MAINT: SAMPLE TALARM: 1 LRU: X:LRUS: NUNFRIC: SIZE	CATEGOR	\		CONTRC	SI Q/STC	PLAYS				MAINTAL	NABILIT	IY PARAWFTFR	bIT OFF LINE/WANUAL
2 12 1 98.0 90.0 3: 95.0 .000 2 12 1 .0478 .75.0 3: 90.0 .000 2 12 3 .0874 .99.9 .58.8 3: 70.5 .000 .19 2 12 3 .0275 .0375 .99.9 .78.0 3: 94.0 .000 .50	EQUIP ID	PROG PHASE	EQ :	DATA: STAI TYPE: DAT	KT: END TE: DAT		FALSE:	FAULT LRU:	SOLATE X: LRUS	: MAINT :	SAMPLE		REYARKS
2 : 12 : 3 :0275 : 0375 : 95.9 : 78.0 : 3: 90.0 : .000 : 50	36	2	12		 	98.0		0.06	3: 95.	. 000 : 0		ORIGINAL REQUIREMENT	Si
2 : 12 : 3 :0874 :0874 : 99.9 : : 58.8 : 3 : 70.5 : .000 : 19 : 1 : 2 : 12 : 3 :0275 :0375 : 99.9 : : 78.0 : 3 : 94.0 : .000 : 50	36 :		: 12		: 0478	·· ··		: 75.0 :	3: 90.			: REVISED REQUIREMENT	
: 2 : 12 : 3 :0275 :0375 : 99.9 : : 78.0 : 3: 94.0: .000 : 50	36			3 :087	. :0874			: 58.8 :	3: 70.			: :INITIAL MAINTAINABII	IIY DEMONSTRATION TEST (FAILED)
	36	7	. 12	3 :027	: 5 :0375	6.66 :	 	78.0 :	3: 94.	: 000· :0		: MAINTAINABILITY DEM	NISTRATION RETEST FOLLOWING SOFTWARE REWORK.

CATEGORY ECH/EW				ECH/EW	-		1				MAI	MAIN	MAINTAINABILITY PARAMETER	MAINTAINABILITY PARAMETER MITR ORGAN	· · · · · · · · · · · · · · · · · · ·
EQUIP : PROG : EQ : DATA:START: END : FAULT ID :PHASE:TYPE: TYPE: DATE: DATE:PETECT	ROG	EQ TYPE	DAY:	TA: STAF PE: DAT	T: ENI	D : FAUT	LT : F	ALSE: ARM : 1	FAULT LRU	ISOLA X: LRI	QUIP :PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: ID :PHASE:TYPE: TYPE: DATE: DATE:PETECT:ALARR :1 LRU : X:LRUS :KUMERIC: SIZE :	NT : S/	NPLE: 512E :	EQUIP : PROC : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: ID :PHASE:TYPE: DATE: DATE: DATE:NETECT:ALARK :1 LKU : X:LRUS :NUMERIC: SIZC :	
		· · · · · · · · · · · · · · · · · · ·	<u>.</u>	: : : : :	<u> </u>	<u> </u> 	<u>!</u>	: 	"	<u> </u> 	 	<u>.</u> 		*	
221 :	7	: 18	• :	221 : 2 : 18 : 6 :0177 :0377 :	:037			••			. 1.8	1.800 :	2 :		• ••
321 .	,	<u>«</u>		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	0875				•						••
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221 :	7	æ :-	\$ 	221 : 2 : 18 : 6 :0676 :0177	1210: 3		••	••	.•	••	: 6.700	. 00	: 9		••
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EQUIP 1.	•	E TYPE	DATA TYPE	START: DATE:	END : I	AULT :	:PROG : EQ : DATA:STAKT: END :FAULT : FALSE: FAULT ISOLATE :PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARN: :1 LKU : X:LRUS	FAULT 1 LEU :	ISOLATE X:LRUS	: MAINT :SAMPLE: :NUMERIC: SIZE :	SAMPLE SIZE	:	RELARKS	
221	-	87	4	. 27.70:	. 1174	 ! !	 		<u> </u> 	1.500	-	: :CAT 1.		••••
: : 231	- -		 4	: 2770:	: 711:	•• ••	·· ··	•• ••		: 1.230		: :CAT 1.		• •• •
: : 234	-			: 0772 :	: 1174	•• ••	•• ••	·· •• ·	·• ·· ·	2.000	- ,	CAT I		
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249	 .	. n	 	: 0772	: 1174 :	·			·	: 2.000 : 2.000		: :CAT 1		
: CATECORY	RY.		ຬ	11 DANCE.	CUIDANCE/NAVICATION	TION				MAINTA	INAPILI	MAINTAINAPILITY PARAMETER	FITH ORGAN	
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MAINTAINABILITY CUMPAKISON DATA

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	: PHASE: TYPE:		DATE:	DATE:	DETECT	DATA:START: END :FAULT : FALSE: FAULT TYPE: DATE: DATE:DETECT:ALARM :1 LRU		X:LRUS :	ISOLATE : MAINT : SAPPLE : X:LRUS :NUMERIC: SIZE	•• •• • •• •• •	KITAKKO	
: 172 :	2 : 19	-	 			! !	 		1.200 :			
: : : : : : : : : : : : : : : : : : : :	: 2			•• ••					. 880	•• ••		
: 173	2 : 12								1.200 :	.		
173 :	2 : 12			•• ••					. 530 :	·· ·· ·		• • •
		 	9110	: .0476 : :					1.846 : 42	: :MAPHOURS=77/MAINTENANCE ACTIONS=42 :	ENANCE ACTIONS=42	• •• ••
: CATECORY		3	GUIDANCE/NAVIGATI	/KAVIG	ATION				MAINTAINABIL	MAINTAINABILITY PARAMETER	MCT OKGAN	
EQUIP :	EQ TYP!		DATA: START: TYPE: DATE:	END :	FAULT	DATA:START: END :FAULT : FALSF: FAULT TYPE: DATE: DATE:DETECT:ALARM :1 LPU	FAULT ISOLATF 1 LPU : X:LKUS	i .	MAINT SAMPLE:		PEGARKS	
162	2 4		: 			i ! 	! 		. 009.	i 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
162			• •• ••						. 540			** **
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: 167 :	2 : 3	. 2	•• ••	•• ••					. 640			
: 027 :				. 7460.			•• •		: 005,			•• ••
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ATTENSA	<u>, , , , , , , , , , , , , , , , , , , </u>		CUID	ANCE/B	CUIDANCE/NAVIGATION				MAINTAIN	ABILIT	MAINTAINABILITY PARAMETER	MCT ORGAN	••
1101	PROG : EQ :	7 P.E.:			TEC	: FALSE: FAULT ISOLATE :ALARM : 1 LRU : X:LRUS			ISOLATE : MAINT :SAMPLE: X:LRUS :NUMERIC: SIZE :	AMPLE: SIZE:		REMARKS	Ϊ
\$73	-		7	 	1173		 		1.000		EQUIPMENT LESS IMU		
4 28			 7		: :1173 : :				1.000 :	•• •• ••			
CATECORY	PROG : EQ	E0 :	TAG		GUIDANCE/NAVIGATION A:START: END :FAULT : FALSE:	: FALSE:	FAULT 1	ISOLATE :	MAINTAINABILIT	ABILIT	MAINTAINABILITY PARAMETER	MCT INTER REMAPKS	" Ï "
	PHASE:	TYPE	TYPE: D	ATE: I	PHASE: TYPE: TYPE: DATE: DATE: DETECT: ALARM : 1 LRU : X:LRUS : NUMERIC: SIZE	ALARM :1	LRU :	X:LRUS :	NUMERIC:	SIZE			-
421	-	19 ::		5.	: 0977		•• ••		. 005.4				•• •• •
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MAINTALMABILITY COMPARISON FATA

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MAINTAINABILITY COMPARISON DATA

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293	-		 .	 4	: 0772	: 1174		.		•			8.300:	: 25	:CAT I; MEAN MAINTENANCE MANHOUKS	NANCE MANHOUKS	
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MAINTAINABILITY COMPARISON DATA

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299	-	: 13		. 4	: :0772 :1]	:1174 :		··	·• •·	3.610		: 3.610 : 7 :CAT 1; MEAN MAINTENANCE MANHOURS.	
300		: 78		. 4 4	: : : : : : : : : : : : : : : : : : : :	: 675				: :300 : 36	36		
301					: : : :0772 : !	: :1174 :	··			. 4.500		: : CAT 1.MFAN MAINTFNANCE HANGOURS.	
: : 302 :			 6	4	: 0772	: 1174 :				: : 5.400 : 3	m 	: :CAT 1 TEST. PEAN TAINTENANCE HANHOURS	., .,
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807 :	→ 	: 12			: 0772	: 1174 :		·	· •• ••	:22.900	20	122.900 : 20 :CAT I;MEAN MAINTENANCE MANFOURS.	

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HOIH/FH/OPEK HR	REMARKS			MTTR SUBORGAN	REMARKS																INTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE	AVIONICS INTEGRATION LABRATORY.			
MAINTAINABILITY PARAMETER				MAINTAINABILITY PARAMETER			•• ••	••		•• ••			• ••		• ••	•. ••		• ••	(: :INTEGRATED MIS	AVIONICS INTEG		•• ••	
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MAINTAIN	: MAINT :SAMPLE :NUMERIC: SIZE	.183 :		MAINTAIN	: MAINT : SAMPLE: :NUMERIC: SIZE :			.230 :	.260 :	.160	.160 :	. 150	 }	.160 :	.320 :	.240 :	: 040		.250 :	.240 :	: 017	•••	.260 :	.240	••
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MITR SUBORGAN	REMARKS			VALOR OFFI	RETARKS	: :IOT&E.M-NUM-ESTINATE.DIRECT LABOR-2.5HR & BASED ON HAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT-2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.	: :IOTGE.M-NUM-ESTIMATE.DIRECT LABOR-2.1HK 6 BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -2.2/0.9HR. FOR MTR EQ SEE SEQ #2.	: :IOT&E.M-NUM-ESTIMATE.DIRECT LABOR = 2.8HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MAIURE/LDEAL BIT =2.2/0.9HR. FOR MTR EQ SEE SEQ #2.	: :IOT&E.M-NUM-ESTIMATE.DIRECT LABOR - 3.3HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.	: IOTGE.M-NUM-ESTIMATE.DIRECT LABOR-3.2HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -2.2/0.9HR. FOR HTTR EQ SEE SEQ #2.	:IOTÉE.M-NUM+ESTIMATE.DIRECT LABOR-2.3HR & RASED ON MAINT ACTIONS. :INDRIECT LABOR MATURE/INEAL BIT -2.2/0.9HR. FOR HTR EQ SEE SEQ #2.	: :IOT&E.M-NUM-ESTIPATE. DIRECT LABOR = 5.1HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =1.7/1.0HR. FOR MTTR EQ SEE SEQ #2.	:IOTGE.M-NUM-ESTIMATE.DIRECT LABOR-11.6HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -1.7/1.0HR. FOR MITR EQ SEE SEQ #2.	: :IOT&E.M-NUM-ESTINATE.DIRECT LABOR-4.0HK & RASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -1.7/1.0HR. FOR MTK EQ SEE SEQ #2.	: :IOT&E.M-NUM-ESTIMATE.DIRECT LABOR = 3.4HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTIR EQ SFE SEQ #2.
MAINTAINABILITY PARAMETER				THE PARTY AND TH	I FAKAMELEK	: IOT6E.H-NUM-ESTIMATE.DIRECT : INDIRECT LABOR MATURE/IDEAL	IOT&E.M-NUM-ES INDIRECT LABOR	IOT&E.M-NUM-ES INDIRECT LABOR	IOT&E.M-NUM-ES INDIRECT LABOR	IOT&E.M-NUM-ES INDIRECT LABOR	: :IOT&E.M-NUM+ESTIMATE.DIRECT :INDRIECT LABOR MATURE/INFAL	IOT&E.M-NUM-ES INDIRECT LABOR	IOT&E.M-NUM-ES INDIRECT LABOR	IOT&E.M-NUM-ES INDIRECT LABOR	IOT&E.M-NUM-ES INDIRECT LABOR
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MAINTAINABILITY COMPARISON DATA

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EQUIP :	PROG : EQ : PHASE: TYPE	EQ:	DATA: TYPE:	DATA:START: TYPE: DATE:			: FALSE: FAULT ISOLATE	ULT 1S(OLATE:	: MAINT : NUMERIC	:SAMPLE:	REHARKS
375	-	12	•	0776	.0876		 			.063		:IOTSE.M-NUM-ESTIMATE- TOTAL LAROR HRX (CAMP FR/TOTAL GP B FR) Z. DIRECT :LABOR -2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR - 2.2HR.
376			•• •• ••	. 0770: 	: 0876 :					.215		: :IOT&E.M-NUM=ESTIMATE=TOTAL LABOR !!RX(DEU FR/TOTAL GP B Fk)%. DIRECT :LABOR =2.7HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
377 :	-	. 21	4	:	: 0876 :					065		: IOTGE.M-NUM-ESTINATE-TOTAL LABOR HRX(ACWP FK/TOTAL GP B FR)%. DIRECT: :LABOR-2.1 & BASED ON MAIN ACTIONS.INDIRECT LABOR - 2.2HR.
378 :	~ · · · · ·			: :0776 :0	: 0876 :					.437		: :IOT&E.M-NUM-ESTIMATE.DIRECT LABOR-2.1HR & BASED ON 7 HAIN ACTIONS.IN- :DIRECT LABOR -2.2HR.MITK- TOTAL LABOR HRX(PPIAC FR/TOTAL CP B FR)?.
379 :	-	. 12	·· ··	: : :0776 :(: :	:					629		: :IOT&E.M-NUM-ESTIMATE= TOTAL LABOR HRX(PAHIC FR/TOTAL GP B FR)%. DIRECT: :LABOR=2.1HR & RASED ON 10 MAIN ACTIONS. INDIRECT LABOR = 2.2HR.
380	-	. 12 :	4		: 0876 :					. 370		: :IOTGE.M-NUM-ESTINATE- TOTAL LABOR HRX(ACPPI FR/TOTAL CP B FR)X. DIRECT :LABOR -2HR & BASED ON MAIN ACTIONS. INDIRECT LABOR - 2.2HR.
381 :	-		4	: :0776 :0 :	:		,			.071		: :IOT&E.M-NUM-ESTINATE-TOTAL LABOR HRX(LU FR/ TOTAL GP B FR)1. DIRECT :LABOR =2.5 & BASED ON MAINT ACTIONS. INDIRECT LABUR = 2.2HR.
382 :	-	on	4	: :0776 :0	: 0876 :	•• •• ••	••			.612		: :IOTéE.5.4.4HR DIRECT LABOR.INDIRECT LABOR FUR MATURE/IDEAL BIT = 1.7/1HR :MTR IS EST.DIRECT LABOR BASED ON 6 MAIN ACTIONS.IDEAL BIT MTR EST=.552
383 :	-		··	: :0776 :0	: 0876 :		•• ••			.087		: :EST NUMERIC FROM OTHER MAIN ACTIONS DURING IOT&E.ASSUMES BIT TO IDENTIFY: :FAILURE. MTR EST=.066HR FOR BIT TO ISOLATE TO LKU.3.1 DIR & 2.3/1 INDIR:
	8		-	% .	: 0178					.630		
2	~	6	~		:0178	· · ·	•			700		
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MTTR ORGAN	REMARKS																						: :LYTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE	AVIONICS INTEGRATION LABRATORY.			
MAINTAINABILITY PARAMETER																							LUTEGRATED MISS	AVIONICS INTEGR			
ABILIT	:SAMPLE:		•• ••	•• ••	•• ••	•• ••			•• ••			•• ••		••		• ••	•••			••	••	50 :	20		• ••	·· ··	
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		2 :						: 71	22 :	23 :	24:	: 23 :		, !		22 :	••	• ••	••	•• ••	••	••		·· ·			
CATECORY	: PROG : EQ : PHASE: TYPE	7					•	7	~	~	. 2							• ••	7		••	7	7		7		
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MAINTAINABILITY COMPAKISON DAIA

: CATEGORY	RY		⊉	RADAR						LALVIAL	WADILLII	FAINIAINABILITY PARAMETER FITT	MITH URGAN
EQU IP ID	PROG PHASE	EQ TYPE	: DATA: : TYPE:	EQUIP :PROG : EQ : DATA:START: END :FAULT ID :PHASE:TYPE: TYPE: DATE: DATE: DETE:DETECT	END :		FALSE	FAULT 1 LRU :	ISOLATE X: LRUS	: FALSE: FAULT ISOLATE : MAINT :SAMPLE:	SAMPLE: SIZF:		REI!ARKS
					<u> </u>								
7	. 5		E	1160: 1180:	: 7760	-•		••		: 1.040 :	12 :M	ISSION AVIONICS MAINTAIN	12 :MISSION AVIONICS MAINTAINAPILITY DENO A/V GROUND TEST
•				••	••	••	••				••		
m		: 17	- ·		:0178 :	•••		•		 			
m		: 12		• ••	: 0178		. ••	- ••		. 380	· ••		
				••		••	••	••			••		
4	: 2	: 22 :	. 2	••	6178 :	••	••	••		3.700:	••		
				••	••	••	••				••		
S	. 2			••	: 0178 :	••	••	••	••	: 1.800 :	••		
				••	••	••	••				••		
~	. 2		7	••	0178:	••	••		••	: 1.800 :	••		
				••	••	••	••		••		••		
9	:	 	. 7	••	:0178:	•	••	••	••	3.600 :	••		
			••	••	••	••	••	••			••		
7	. 5		. 2	••	: 0178 :	••	••			: 1.440 :	••		
			••	••	••	••	••		••		••		
œ	. 5	. 7	. 2	••	: 0178	••	••		••	: 1.440 :	••		
				••	••	••	••	•			••		
6	. 2	 	. 2	••	:0178:	••	••	-	••	: 2.300 :	••		
		••		••	••	••	••		••		••		

### PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : HAINT : SAMPLE: JD	CATEGORY	<u> </u>			RADAR							MAINTAIN	ABILITY	MAINTAINABILITY PARAMMIER
364 1 25 4 0776 0876 .009 365 1 25 4 0776 0876 .005 366 1 25 4 0776 0876 .077 367 1 25 4 0776 0876 .077	EQUIP :	PROC	EQ.	TYP	F. STAR	T: END E: DAT!	: FAULT R: DETECT	: FALS	E: FAUL :1 LKU	SOL!	TE :	MAINT : S IUMERIC:	AMPLE: SIZE:	REWARKS
	"			<u> </u>	<u> </u> 	 - -	<u>.</u>		ļ 			 	 	
	364	-	: 25	4	:0776	:0876						. 600	Ĭ.	:IOT&E H-NUM-ESTIMATE-TOTAL LABOR HRX(SPU FR/TOTAL GP B FR)2.DIRECT
	••										••	••	. <u>;</u>	LAROR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
	••	_	••			••				 	••	••		
	365 :	-	: 25	7	:0776	:0876	••	••				: 600:	Ĭ.	IOTAE M-NUM-ESTIMATE-TOTAL LABOR HRX (NCU FR/TOTAL GP B FR) %. DIRECT
	••										••	••	ä	LABOR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.94R.
	••				••						••	••		
	366:		: 25 :	4	:0776	:0876	••		••	••	••	. 770.	1:	:IOT&E M-NUM-FSTIMATE-TOTAL LABOR HRX(IFP FR/TOTAL GP B FR)%. DIRECT
	••		••	••							••	••	1.	LABOR =4.0PK & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
	••	_	••	••	••	••		••	••		••	••		
	367	-	: 25 :	4	:0776	:0876	••				••	.135:	Ĩ.	IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX (FSCU FR/TOTAL GP B FR) 2. DIRECT
			••								••	••	 	LABOR =3.0 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
	••										••	••	••	

: CATEGORY	:									
EQUIP ID	: PROG : PHAS!	: EQ		START: DATE:	DATA:START: END :FAULT : FALSE TYPE: DATE: DATE:DETECT:ALARM	: FALSE: T:ALARM :1	FAULT LRU:	FALSE: FAULT ISOLATE LARM :1 LRU : X:LRUS	: FAULT ISOLATE : MAINT :SAMPLE:	LE: REMARKS E:
368	-	21		0776 :0	: 0876 :		• •• •• ••	• •• •• ••	. 604	: :IOT&E H-NUM-ESTIMATE-TOTAL LABOR HRX(EFS FR/TOTAL GP B FR)X.DIRECT :LABOR -6.5HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.9HR.
369			∢	: :0776 :0	:				072 :	: :IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(CPSU FR/TOTAL GP B FR)X.DIRECT :LABOR -3.5HR & BASED ON MAINT ACTIONS.INDIRECT LABOR -0.9HR.
370			.	: .0776	: :0876 : :					: :IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(BR PR/TOTAL GP B FR)%. DIRECT :LABOR =1.9 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.7HR.
371			4	: 0776 :0	: :0876 : :				035 :	: IOTSE M-NUM-ESTIMATE-TOTAL LABOR HRX(FAR FR/TOTAL GP B FR)1.DIRECT ::LABOR -3.2HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.7.
372	-		• · · · ·	: :0776 :0 :	: 0876 : : 0876 :	 	·· ·· ··		790 :	: :IOTÉE M-NUM-ESTINATE-TOTAL LABOR HRX (LBR FR/TOTAL GP B FR)%.DIRECT :LABOR =4.7HR & BASED ON MAINT ACTIONS.INDIRECT LABOR =0.9HR.
373			•	. 0776 	: 0876 :		•• •• ••			: IOTSE M-NUM-ESTIMATE-TOTAL LABOR HRX(LBS FR/TOTAL GP B PR) L'DIRECT :LABOR =0.9HR & BASED ON MAINT ACTIONS.INDIRECT LABOR =0.7HR.
375	-	: 13	· · · ·	.0776 :	: 0876 :				: 100 :	:IOT&E.H-NUM-ESTIMATE SEE SEQ #1.DIRECT LABOR-5.9 HR & BASED ON MAINT :ACTIONS. INDIRECT LABOR9HR.
376	.	. 17		0776 :0	: 0876 :		•• •• ••	•• •• ••	. 396 :	:IOT&E.M-NUM-ESTIMATE SEE SEQ #1. DIRECT LABOR-8.1 HR & BASED ON MAINT :ACTIONS. INDIRECT LABOR9HR.
37.7			•	0. 92.0	: 0876		·· ·· ··			:IOTEE.M-NUM-ESTIMATE- TOTAL LABOR HRX(ACWP FR/TOTAL GP B FR)2. DIRECT :LABOR -2.8 & BASED ON MAIN ACTIONS. INDIRECT LABOR9HR.
378			.	: : : : : : : : : : : : : : : : : : : :	: 0876 : : 0876 :	•• •• ••	•• •• ••	·· ·· ··	793 :	: 1075F.M-NUM-ESTIMATE-TOTAL LABOR HRX(PPIAC FR/TOTAL GP B FR)%. DIRECT :LABOR-6.4HR&BASED ON ? MAIN ACTIONS. INDIRECT LABOR9HR.
379	-	. 17	.	:0776 :0	: 0876 :	·· ·· ··			1.430	: IOTSE. M-NUM-ESTIMATE-TOTAL LABOR HRX(PAHIC FR/TOTAL GP B FR)%. DIRECT :LABOR -8.9 & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR9HR.
380	-	. 12	.	: 0776	: 0876 :	·· ·· ··	•• •• ••	·· ·· ··	265	:IOT6E.M-NUM-ESTIMATE - SEE SEQ#1. DIRECT LABOR-2.1HR & BASED ON MAINT:ACTIONS. INDIRECT LABOR9HR.
381	-		4	: 0776	: 0876 :		·· • ·· ··	·· ·· ·· ·	.082	:IOT&E.M-NUM-ESTIMATE SEE SEQ #1. DIRECT LABOR -4.5 HR & BASED ON MAINT :ACTIONS. INDIRECT LABOR9HR.
382	-	.		: 0776	: 0876 :	 	·· ·· ··		.328 :	: IOT&E.DIRECT LABOR HR =2.9, INDIRECT=.9.MTR IS AN ESTIMATE=TOTAL LABOR :HR X (HAWC FR/TOTAL GP B FR)X.

: CATEGORY	RY		RADAR						MAINTA	INARILI	MAINTAINABILITY PAKAMETEK NITR INTEK
EQUIP	EQUIP : PROG : EQ : ID : PHASE: TYPE:	EQ :	DATA: START: TYPE: DATE:	!	END : FAULT DATE: DETECT	END :FAULT : FALSE: FAULT DATE:DETECT:ALARM :1 LRU	FAULT 1 LRU	ISULATE X:LKUS	: MAINT :SAMPLE: :NUMERIC: SIZE :	SAMPLE	KFWARKS
383	-	m	4 :0776	0776 : 0876							:EST NUMFRIC FROM OTHER MAINTENANCE ACTIONS DURING IOTGE.BASED ON EST OF:
: CATEGORY	RY		RADAR						MAINTA	INABILI	KAINTAINABILITY PARAMETER MCT OKGAN
dı TD	PROG : EO : PHASE:TYPE:	EO :	DATA:START: TYPE: DATE:		END : FAULT DATE: DETEC	END : FAULT : FALSE: FAULT DATE: DETECT: ALARM : 1 LRU	FAULT 1 LRU	: FALSE: FAULT ISOLATE T:ALARM :1 LRU : X:LRUS	: MAINT :SAMPLE: :NUMERIC: SIZE :	SAMPLE	:
174			1 :0174						1.000		: :PER SYSTEM SPEC SS-ESCD-72-2.
174	,,		2 :0174	,, ,, ·		· · ·			: 1.300	•• • <u>-</u>	: PER SYSTEM SPEC SS-ESCD-72-2. E(MAX)PT INDICATED.
7.1	 		3 :1276	: : 1276 :		·· ·· ··	•• ••		1.610	64	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS CENTER. TOTAL SYSTEM EXCEPT PHASE SHIFTERS.
174	 		3 :1276 :	: : 1276 :		·			510	258	:R/H/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER.
174	 		5 :0276	: 0876					1.500	••	: ASSESSMENT BASED ON FIFLD DATA FROM 02/76 TO 08/76
178	 		3 :1276 :	: 1276 :					1.820	04	:K/I/A DENO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS CENTER. RADAR SUBSYSTEM FXCEPT PHASE SHIFTERS.
: 178 :	 m 	• •• ••	3 :1276	: 1276			• ••		. 500	248	:K/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. RADAR SUBCYSTEM.
179	 			:0976						.,	
179	 			: 01 74					. 390	ъ ъ	
: 183 :	 		1 :0174						009.		
: 183	 		5 :0276	:0276 :0876	, .				. 780		
184	 		1 :0174			· •, •					
: 185	 	٠	1 :0174						009		
		.									

: CATEGORY	*			RADAR	œ,							MAINTA	INABILIT	MAINTAINABILITY PARAMETER	MCT ORGAN
EQUIP	PROG	. E		EQUIP : PROG : EQ : DATA:START: END :FAULT : ID :PHASE:TYPE: TYPE: DATE: DATE: DATE:DETECT	ART:	END :	FAULT	: FALSE	FAUL:	r isolat : X:lru	LATE LRUS	MAINT NUMERIC	: FALSE: FAULT ISOLATE : MAINT :SAMPLE: :ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :		REMARKS
		<u>.</u>	¦	<u>.</u>											
185	-	•		 7	º	: 9/10:					•	.570			
185			 S	5 :02	0276 :0876	876:						1.200			
		••	••		••	••									
188	- :	· 	••	10: 1	: 0174 :	••					••	909	••		
			••	••	••	••					••				
188	m 		••	5 :02	:0276 :0876	876 :	•-				•	. 550 :			
			••	••	••	••					••				
189	-	••	5 :	 -	0.	: 9260:					•	. 600			
			••	••	••	••			••		••				
189	-	••		. 7	0:	174 :		••				.570	 - 		
		••	••	••	••	••					••				
189	ო 	••	. 7		0:	976:		••				.860			
			••	••	••		•-				••		••		
35	. 5	:	 9	. 7	0:	: 0178			••	••	••	8.700			
			••	••	••	••					••				
-	7		••	3 :12	:1276 :0977	977 :					••	. 744	: 50 :		
			٠	•	•	•					•				

CATEGORY	1		i	RADAR		,		!			;	MAINTAI	NABIL	Maintainability parameter mmax(95%) organ
EQUIP LD	PROC: PHASE	: EQ :	AE	EQUIP :PROG : EQ : DATA:START: END :FAULT ID :PHASE:TYPE: TYPE: DATE: DATE:DETEC	E: D	ND :P	ı ⊬	FALSE ALARM	FAUL:	1 ISOL	ATE: RUS:	:PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: :PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	SAMPLE S12E	S: :
				<u> </u> 	 	¦ 			<u> </u>	¦	 	 		
174		••		:0174		••	••	•		 	••	3.000:		:PER SYSTEM SPEC SS-ESCD-72-2.
4-						••					••	••		
174	-		7	:0174		••					••	3.900:		•
-						••	•				••	••		
174	e 		m	:1276	1276 :1276	: 92					••	2.200 :	67	2.200 : 49 :R/P/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAHENTO AIR LOGISTICS
•						••	••				••	••		:CENTER. TOTAL SYSTEM EXCEPT PHASE SHIFTERS.
						••					••	••		
174	۳ 		"	:1276	1276 :1276	: 9/					••	.660 : 258	258	:R/M/A DENO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS
						••	••				••	••		:CENTER.
•-				••		••	••				••	••		
178	e :		m	:1276	:1276 :1276	. 9/					••	2.500:	07	2.500 : 40 :R/M/A PEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS
					••	••	••			••	••	••		:CENTER. RADAR SUBSYSTEM SYCEPT PHASE SHIFTERS.
		••			••	••		•-			••	••		
178	m 		ش	:1276	:1276 :1276	: 9/		•-			••	.650 : 248		:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS
						••	••	•-			•	••		:CENTER. RADAR SUBSYSTEM.
		••		•		•				••	•	•		

MAINTAINARILITY COMPARISON DATA

: CATEGORY	Į,			RADAR	æ 1						MAIN	TAINABIL	MAINTAINABILITY PAPAMETER	MAX (902) SUBORGAN
EQUIP :PROG : EQ : DATA:START: END :FAU ID :PHASE:TYPE: TYPE: DATE: DATE: DETE: DETE	PROC PHASE	EQ.	25	TA:ST	ART: E	PROG : EQ : DATA:START: END :FAU:	ULT : FI	ALSE: FAI IRM : 1 LA	ULT IS	OLATE : LRUS	: MAIN	LT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: ECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :		REPARKS
101	7					87		 			.300			
==	~				:0178	. 87			·· ··		300			
12 ::	8			,	:0178	78 :		••, ••			: .280	.		
13 ::				••••	:0178	. 87				`	190			
	~				:0178	. 82			,		: .200	<i></i>		
. 23	8	: 21			: 0178	; 78 :					: .150			
. 91	. 7	: 21			: 0178	. 82					190			
. 71					: .0178	. 87								
27 :					: 87.10.	. 87	•	•	•		300			
29		-		•••	3710.			·					·	
	•		' 	• ••							; 			
	7						 .	. .			500			
-	7	·		•	٠		٠	٠	٠.,		330			
	7			. 0.	: : :0476 :0977	: 11					067	: 7 : 18	: :INTEGRATED MISSION	: INTEGRATED MISSION AVIONICS MAINTAINARILITY DEMONSTRATION TEST IN THE
••								•					AVIONICS INTEGRATION LABRATORY.	N LABRATORY.
2 :	7	٠		٠	:1077	: 11	٠	٠	•	٠	500		•	
	7	. .		.	: 0178	. 87	 .				: : .320	 C		
	7				: 1677	: 11			··		: .320			
 C	7	: 12		·· ••	: 0178	. 87	.	·· ••			: .260			
••									••					

MAINTAINABILITY COMPARISON DATA

EOULP		i				-		1					
e		: PROG : EQ : : PHASE: TYPE:		DATA:START: TYPE: DATE:	TART: DATE:		FAULT : DETECT:	T : FALSE:	FAULT 1 LRU :	ISOLATE X:LRUS	END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: DATE:DETECT:ALARH :1 LRU : X:LRUS :NUMERIC: SIZE :	PLR: 7.E :	REHARKS
1												• ••	
3					••	: e/10: :	•• •		••	·· ·	: 1.290		
10			 o		• ••		• ••				: 1.210 :	ECP 361 MARITIME	ECP 361 MARITIME SURVEILLANCE CAPIBILITY ENHANCEMENT.
Ξ					••	: :0178	••		••••		: 1.340 :	·· ··	
:				 ,	• ••								
Ξ			. 6		••	••	••	••	••	••	: 1.130 :	ECP 361 MARITIME	ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
12					• ••	:0178 :	••	··	••••	·· ··	: 1.270 :		
	••	••	••	••	••	•	••	•	••			••	
13			••		••	:0178	••	••	••		: 2.500 :	••	
13	·· ••				• ••	•• ••	••		• •		: 2.400 :	: ECP 361 MARITIME	: ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
	••	••	••	••	••	••	••	••	••				
1,4			 °	5 :	••	: 0178 :	••	••	••		3.400 :	••	
15						: 0178 :		••			1.320		
;			. 	•••	•••	· ••	,	• ••	• ••			· ••	
15	••		21 :	5 :	••	••	••	••	••		: 1.200 :	ECP 361 MARITIME	ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
9					••	: 0178	•••		•• •		: 2,300 :		
•			 ;	 !	•			• ••					
17			: 7		••	: 8/10:	••	••	••		: 5.900 :	••	
9	••			,	••		••	••	••			••	
9			··				••		•• ••	••••	: 000.5		
19			1 :	. 2	••	: 0178 :	••	•••	•••		3.800:		
Ş						. 97 10	••	••	••				
3					••••	 8/10		••			: ()0**/ :		
22			12 :			: 8710:		· ••	• ••		280		
		٠.	••	••	•`	••	••	••	••				
23			: 22	 Z		: 8710:	•••	•••	•••		: 5.800 :		
24	• ••		23 :		• ••	: 0178			• ••		: 1.950 :		
		••	••	••	••	••	••	••	••				
22		 7	. 5 7	·		:0178 :	••				. 2.400 :		
27			23 :			: 87 10:	• ••	• ••			: 1.380 :		
5	`	,			••	8	••	••	••				
9				٠.	••		••	••	••		: 010:1 :	••	

MAINTAINABILITY COMPARISON DATA

	PROG	<u>a</u>	۱	1	١.					-			
EQUIP :P	PHASE: TYPE:	: TYPE		E: DA	DATA:START: ENI TYPE: DATE: DA1	END : FAULT DATE: DETEC	LT : FAI	DATA:START: END :FAULT : FALSF: FAULT ISOLATE TYPE: DATE: DATE: DETECT:ALARM :1 LRU : X:LRUS	LT IS		: MAINT :SAMPLE :NUMERIC: SIZE	:SAMPL	JE: REYAKKS
<u>:</u>		<u> </u>	<u> </u>	 	<u> </u> 	<u> </u> 	<u> </u> -	<u> </u> 	<u>!</u>	<u> </u> 		<u>.</u> 	
29 :	7	-			:0178	 co					990		
33 :	~	. 22			:0178	 					3.200		
34 :	~ ~				:0178						2.100		•
35 :		. 16			:0178	 					:12.000		
	~										2.700		•• ••
•		••	·			••	••			•••	••		
 -	~										1.690		•••
	~	. 		:127	:1276 :0977						: 1.530		
	7		۳ 	: 047	: : : : : : : : : : : : : : : : : : : :						: 1.290		: :INTECRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE
••	- '			••			••		••			••	:AVIONICS INEGRATION LABRATORY.
	~			. .	: 1077						2.200		
·· ··	7				:0178			·· ··			2.800		
)						·	· ••	• ••				
	7		რ 		: 1077						1.880	ន 	
 E	7	: 12			:0178						490	. 	
••	•					•• •	••					••	
 T	•	, 	. .		9/10:	 D					3.1.6		
۰.	~		. 5	••	:0178		••	••			3.000	••	••
۰. ۰.	7				:0178	 en					5.900		
• ••		•	•			••		••	••				••
	~	~ 			:0178		••••				2.200		
 	~		. 3		:0178	 so	•	• ••	• ••		2.100	. 	•
	,	ب 			: .0178		•• •		••		3.700	•• •	
•	4			•			•	•	•			•	-

MAINTAINABILITY COMPARISON DATA

: CATEGORY	ž		2							
EQUIP ID	PROC PHAS	: PROG : EQ : : PHASE: TYPE:		DATA:START: TYPE: DATE:		END :FAULT : FALSE: FAULT ISOLATE DATE:DETECT:ALARM :1 LRU : X:LRUS	FAULT 1 LRU :		: MAINT :SAMPLE: :NUMERIC: SIZE :	LE: REMARKS E:
ន្ទ	7	6	7		. 0178				1.290	
01			7				•• ••		: 1.210 :	: :ECP 361 MARITIME SURVEILLANCE CAPIBILITY ENHANCFMENT.
Ξ			~ ~		: 8210:		•• ••		: 1.340 :	
=							••		1.130	: :ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
12					: 0178		•• ••	•• •• •	1.270 :	
=					: 0178		••		2.500 :	
13							•• ••		2.400 :	: :ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
*				7.	: 0178		•• ••	<i></i>	3.400 :	·· ·-
15		: : 21			: :0178		•• ••		: 1.320 :	
15		: 21		••		·· ··	•• ••		1.200 :	: :ECP 361 MARITIME SURVELLIANCE CAPABILITY ENHANCEMENT.
9		: : 21			: 0178		•• ••		: 2.300 :	
12					: 0178 :		•• ••		: 5.900 :	
81					: :0178		•• ••		: 5.800 :	
61	-				: 0178		•• ••		3.800:	
2					: :0178		•• ••		: 7.400 :	
55		: 12			: :0178 :				: .280 :	
23		: 22			: :0178 :				: 5.800 :	
24		: : 23			: 0178		•• ••		: 1.950 :	
22		. 24			: 0178		•• ••		: 2.400 :	
27		: 23			: 0178		•• ••		: 1.380 :	
78		: : 16	. 2		: :0178				: 010:1 :	

CATEGORY	KI			KALAR								William I to down the state of	
BOUTP	PROG:	PROG : EQ :		DATA: START: TYPE: DATE:		END : FAULT DATE: DETECT		E: FAUL	: FALSE: FAULT ISOLATE :ALARM : I LRU : X:LRUS	E: MAINT :SAMPLE S:NUMERIC: SIZE	: SAMPLE		REMARKS
7.7				7.10: 1			<u> </u>			1.300		PER SYSTEM SPEC :	PER SYSTEM SPEC SS-ESCD-72-2.M(NAX)PT INDICATED.
CATEGORY	RY			RADAR						MAINT,	AINABIL.	MAINTAINABILITY PARAMETER	MMH/PH/OPER HR
EQUIP :	PROC: PHAS	EQ E: TYPE		DATA:START: TYPE: DATE:		END : FAULT DATE: DETECT		E: FAUL	: FALSE: FAULT ISOLATE :ALARM : 1 LRU : X:LRUS	: MAINT :SAMPLE S :NUMERIC: SIZE	: SAMPL!	***	REMARKS
250	_			. 0772	11.74					5.400	∞	:CAT I.	
257		۰		: :0772	:1174	.				: 8.4 00	. : 10	: :CAT I	
259		: : 25		. :0772	1174					: 2.700	: 7	: :CAT I	
790		: : 25		: :0772	:1174	·· ··				. 4.000		: :CAT I	
261	-	: 25		2770:	:1174	·. ··				5.500	: 7	: :CAT I	
762		: 21		. :0772	:1174					3.600	, 	: :CAT I	
263				. :0772	:1174					5.200		: :CAT I	
264				4 :0772	1174	· ·	· ··	· ··		: 2.000	: 5	:CAT I.	
265				. :0772	:1174	··			 	:12.100	o. 	: :CAT I	
272	-	: 21		. :0772	:1174					5.700		: :CAT I	
275				. : 0772	: 1174			·· ··	 	3.200		: :CAT I	
364		: 25		4 :0776	9280:	·· ··				020		: :IOT&E.M-NUM-ESTI:	::OT&E.M-NUM-ESTIMATE=MTTR(ORGAN)XMEN(2) X1/14.5.
365		. 25		. :0776	9280:				•• •• •	600. :	·· ··	: :IOTHE.M-NUK=ESTI	:IOTHE.M-NUK-ESTIMATE-HTTR (ORGAN)XHEN(2) X1/14.5.
366		: 25		9//0: 4	:0876	·		·		011	·· ··	:IOT&E.M-NUM-ESTI	IOT&E.M-NUM-ESTINATE-MTTR (ORGAN) XHEN(2) X1/14.5.
367		. 25		. 0776	:0876		•• •				••••	: :IOT&E.M-NUM-ESTI	: :IOTEE.M-NUM=ESTIMATE=MTTR(ORGAN)XMEN(2) X1/16.5.

MAINTAINABILITY COMPARISON DATA

								1	1			
80UIP 15	PROG : EQ :	EQ :	1	DATA: START: TYPE: DATE:		FAULT	: FALSE:	FAULT I LRU	T ISOLATE : X:LRUS	TE: MA	: FALSE: FAULT ISOLATE : MAINT :SAMPLE: T:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	REMARKS
368	-	212	•	:0776	0776 : 0876		 	<u> </u>		<u> </u>	.061	: :IOT&E.M-NUM-ESTIMATE-HTTR (ORGAN)XMEN(2) X1/14.5.
369			4	:0776	: :0876						010.	: :IOT6E.M-NUM=ESTIMATE=MTTR(ORCAN)XMEN(2) X1/14.5.
370 :	- -		4	:0776	: :0876				 <u>:</u>			: :IOT&E.M-NUM-ESTINATE-HTTR (ORGAN)XNEK(2) X1/14.5.
371 ::	-		4	: :0776	: :0876							: :IOT&E.M-NUM=ESTINATE=MTTR (ORGAN)XMEN(2) X1/14.5.
372	-		4	:0776	0776 : 0876	·· ••						: :IOT&E.H-NUM-ESTIHAT=MTTR(ORGAN)XMEN(2) X1/14.5.
373		. 26 :	4	: :0776	: :0876		<i>.</i>		 		: : 600.	: :IOT&E.M-NUM=ESTIMATE=NTTR(ORGAN)XXEN(2) X1/14.5.
375	~	: 12 :	4	:0776	: :0876	.,			 		: 600	: :IOT&E.M-NUM=ESTIMATE=HTTR(ORGAN) X:FN(2) X 1/14.5.
376		. 17	4	: :0776	: :0876				 		. 030	: :IOT&E.M-NUM=ESTIMATE=NTTR(ORGAN) XHEN(2)X 1/14.5.
377		: 12 :	4	: :0776	: :0876		. .				: : 600.	: :IOT&E.H-NUM=ESTIMATF=MTTR(ORGAN)XMEN(2) X1/14.5.
378		: 12	4	: :0776	: :0876				<i>.</i> .		: 090•	: :IOT&E.M-NUM=ESTIMATE= MTTR(ORGAN)XMEN(2)XI/14.5.
379	-	: 12 :	4	:0776	: :0876							: :IOT&E.M-NUM*=ESTIMALE= HTTR(ORGAN)XNEW(2) X 1/14.5.
380 :	-	: 12 :	4	:0776	: :0876							: :IOT&E.M-NUM=ESTIMATE= MTTR(ORGAN) XMEN(2) X 1/14.5.
381			4	:0776	: :0876						. 010	: :IOI&E.H-NUM=ESTIMAIE=WTTR(ORGAN) XMEN(2) X 1/14.5.
382			4	:0776	:0876	. .			·		. 084	: :IOT6E.ESTIMATED VALUES-MTTR (ORGAN)XMEN(2)X1/14.5.IDEAL BIT M-NUM076
383			4	: :0776 :	: 0876		·· •· •·				.012 : :	: :ORGAN LVL HTTR X 2 MEN X 1/14.5 FOR MATURE BIT;.OG9HR FOR IDEAL BIT. :MTTR EST DURING IOTSE.
-									 		6.200 :	·· ·
-			7								2.030 :	: :INCLUDES 0.667 MM4/FH PREFLIGHT TINE.
7			-		: :0178			·· ··		 	3.200 :	
7	 		2		:0178			<i></i>	 	:.	1.540 :	

RADAR PAULT FALSE: FAULT SOLATE WAINT SAMPLE	CATEGORY	ORY		RADAR						MAINTA	INABILIT	MAINTAINABILITY PARAMETER NEAN DOWN TIME
3 : 5 :0276 :0876 : : : 7.000 :	ing er	PRO:	G : EQ : SE:TYPE:	DATA:STAR	r: END E: DAT	1 4 5	FALSE	FAULT 1 LRU :	ISOLATE X: LRUS	: MAINT : NUMERIC:	SAMPLE	REMARKS
HAINTAINABILI : FALSE: FAULT ISOLATE: MAINT:SAMPLE TTAIARM: 1 LRU: X:LRUS:NUMERIC: SIZE : 90.0 : 3: 95.0: .000 : 50 : 91.0 : 3: 95.0: .000 : 100 : 91.0 : 3: 95.0: .000 : 30 : 91.0 : 3: 95.0: .000 : 30 : 91.0 : 3: 95.0: .000 : 30 : 3: 79.0: .000 : 30 : 3: 79.0: .000 : 30	<u> </u>			5 :0276	. 0876					7.000		ASSESSMENT BASED ON FIELD DATA FROM 02/76 TO 08/76.
RADAR HAINTAINABILI RADAR HAINTAINABILI RAGE: TYPE: DATE												
T.ALARH 1 LRU X:LRUS :NUMERIC: SIZE 90.0 3: 95.0: .000 50 90.0 3: 95.0: .000 100 91.0 3: 95.0: .000 100 91.0 3: 95.0: .000 50 31.95.0: .000 30 32.95.0: .000 30 33.95.0: .000 30 33.88.0: .000 50	: CATE	ORY		RADAR						MAINTA	INABILIT	TY PARAMETER BIT ON LINE/AUTO
97.0 : 90.0 : 3: 95.0 : .000 : 50 99.9 : 90.0 : 3: 96.0 : .000 : 50 97.0 : 91.0 : 3: 95.0 : .000 : 100 98.0 : 90.0 : 3: 95.0 : .000 : 100 90.0 : 3: 79.0 : .000 : 3 90.0 : 3: 88.0 : .000 : 50	1000	PRO:	G : EQ : SE: TYPE:	DATA: STAR: TYPE: DATE	T: END E: DAT		FALSE:	FAULT 1 LRU :	ISOLATE X: LRUS	: MAINT :NUMERIC	SAMPLE: SIZE:	REMARKS
99.9 : 90.0 : 3: 96.0; .000 : 50 1 97.0 : 91.0 : 3: 95.0; .000 : 100 1 98.0 : 90.0 : 3: 95.0; .000 : 100 2 90.0 : 3: 95.0; .000 : 100 3 79.0; .000 : 100 3 79.0; .000 : 100 3 79.0; .000 : 50		7		1 :0476	.0977	97.0		0.06	3: 95.(
97.0 : 91.0 : 3: 95.0 : 000 : 100 :				; ; ; ; 3 :1276	: 0977			90.0	3: 96.(: :UNIT RELIABILITY DEMONSTRATION FLIGHT TEST.
98.0 90.0 3 95.0 .000				3 :0476	: :0977 :			91.0	3: 95.(:		100	: Integrated mission avionics maintainability demonstration test in the :avionics integration labratory.
: 90.0 : : 3: 79.0 : .000 :					:1077			90.0	3: 95.(ORICIONAL REQUIREMENT
3: 88.0: .000 : 50					1011:			• •• •	3: 79.(
				 	:1077			••••	3: 88.(: HAINTAINABILITY DEMONSTRATION TEST.
: 93.0 : : 63.0 : 3: 84.0: .000 : 200					: 1077	93.0		63.0 :	3: 84.0:	. 000	500	: BIT FFFECTIVENESS DEMONSTRATION TEST.

CATEGORY	RY.			5	COMPUTE	COMPUNICATIONS	SNOI			:			MAI	NTAINA	BILITY	MAINTAINABILITY PARAMETER	
EQUIP : PROG : EQ ID : PHASE: TT	PRO:	C: 1	7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.50	DAT	STA	RT: E	E: TYPE: DATE: DATE: DATE: DETECT	AULT : ETECT:	FALSE	EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: ID :PHASE:TYPE: DATE: DATE: DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	I IS	DLATE : LRUS	: MAI	NT : SA RIC: S	MPLE:	: FALSE: FAULT ISOLATE : MAINT :SAMPLE: T:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	
		! 	 		<u>.</u>	! !		,						<u>.</u>	 		
138	138: 1:	••	••	7		••	••	••					3	.320	••		
		••	••			••	••	••						••	••		
67	: 5	••	••	-		:08	: 9280:	••					: .2	.250:	••		
		••	••			••	••	••		••				••	••		
67	67: 2 :	••	••	7		:0	: 0178 :	••					2	. 530 :	••		
		••	••			••	••	••						••	••		

MAINTAINABILITY COMPARISON DATA

: CATEGORY)RY		1 5	OMMUNIC	COMMUNICATIONS					MAINT	AINABILI	MAINTAINABILITY PARAMETEK	MITE SUBORGAN	
EQUIP ID			: DATA	START: DATE:	END :	FAULT : DETECT:	FALSE: ALAR! :	FAULT 1 LRU :	ISOLATE X:LRUS	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : HAINT :SAMPLE TYPE: DATE: DATE:DETECT:ALARM: :1 1.RU : X:LRUS :NUMERIC: SIZE	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : HAINT :SAMPLE: TYPE: DATE: DATE:DETECT:ALARM: :1 LKU : X:LRUS :NUMERIC: SIZE :		RETARKS	
67	2		n	9790: 9750:	9,490					250	54			
			-		: 0876 :	·· ··				: .250		•• ••		•• ••
				: 0676 :	: 9290:				•• ••	220	20	•• ••		•• ••
		6	-		·· ··		·· ··	·· ••	·· ··	250				·• ·•
							•• ••	••	•• ••	230	••••	•• ••		•• •• •
 	~		~		: : :0178 : : :	·· ·· ··				: : .320 :				·· ·· ··
: CATECORY)RY		8	OMPAUN IC	COMPUNICATIONS					MAINT,	AINABILI	MAINTAINABILITY PARAHETER	MITR ORGAN	
EQUIP 1D		PROG : EQ : PHASE: TYPE:		STAKT: DATE:	END :	FAULT : DETECT:	FALSE: ALARH:	FAULT 1 LRU :	ISOLATE X:LRUS	DATA:STAKT: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE TYPE: DATE: DATE:DETECT:ALAN: :1 LRU : X:LRUS :NUMERIC: SIZE	DATA:STAKT: END :FAULT : PALSE: FAULT ISOLATE : MAINT :SAMPLE: TYPE: DATE: DATE:DETECT:ALARM: :1 LRU : X:LRUS :NUMERIC: SIZE :		REKAKKS	• • •
112	7		7							. 740				• •
: 115			-			••	•• ••	••••		: 1.210				
: 115			7			•• •• •	•• ••	•• •• •	·· ·· ·	840	•• •• •	••		•• ••
: 136			-	· ··	• ••	••	• ••	• ••	· ··	790		·· ••		
: 136			~			•• ••	•• ••	•• ••	·· ··	550		•• ••		•• ••
: : 138			7			••••	••••		·• ·•	650				
: 139	-		7			•• •		•• ••	•• ••	: : 1.060				
. :	-		7			••••	•• ••			: .340				
: 141	-	: 12 :	~			•• ••	•• ••			930				
: 142	-	 			•• ••	•• ••	•• ••	•• ••		: 1.050				
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QUIL PARASI STATE	: CATEGORY	<u>,</u>													
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1 1 2 280 1 1 2 280 2 1 4 2 490 2 2 2 490 2 2 2 2 3 0873 1173 1120 2 2 2 2 4 2 2 2 5 3 1173 1120 5 3 10576 10676 6 6 6 6 7 9 1 1050 2 9 1 10678 2 9 1 10678 2 9 1 1050 2 9 1 1050 2 9 1 1050 2 9 1 10678 2 9 1 10678 2 1 1 10678 3 1 1 1 4 1 1 1 5 1 <td>1 3</td> <td>]</td> <td><u> </u></td> <td>! </td> <td><u>.</u></td> <td><u>!</u> !</td> <td><u> </u> </td> <td><u>.</u></td> <td><u>}</u> !</td> <td><u>.</u></td> <td><u> </u> </td> <td>330</td> <td>!</td> <td></td> <td></td>	1 3]	<u> </u>	! 	<u>.</u>	<u>!</u> !	<u> </u> 	<u>.</u>	<u>}</u> !	<u>.</u>	<u> </u> 	330	!		
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MAINTAINABILITY COMPAPISON DATA

: CATEGORY	ORY		5	COMMUNICATIONS	ATIONS					MAINTAINA	MAINTAINABILITY PARAMETER	MITH ORGAN	••
EQUIP 1D	: PROG	ETYPE	DATA TYPE	EQUIP :PROG : EQ : DATA:START: END :PAULT ID :PHASE:TYPE: TYPE: DATE: DATE:DETEC	END : I		FALSE: LARM : 1	:PROC : EQ : DATA:START: END :PAULT : FALSE: FAULT ISOLATE : WAINT :SAMPLF:	ATE :	MAINT : SA	MPLF: IZE :	RETARKS	•
	<u> </u>				. <i>-</i>	<u>.</u> 							
22	:	4	-	••	••	••	••		••	. 790 :			••
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72	. 5	4	. 5		••	••	••		••	. 017.	••		••
	••			••	••	••	••		••	••	••		••
73		91 :			•	••	••	••	••	: 079	••		•• •
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•	7		-	•• •	: 9/10:		••	•• •	•• •	: 007.4	•• •		•
76		• •	٠.		: 0178	• •	• •		• •	3.100 :			•
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83	:		-		••	••	••		••	1.400 :	50 :		••
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MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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341 : 1 :		7	, 10: 10:					.617				
: CATEGURY		8	COMPRENICATIONS	SNO				MAINTAIN	ABILITY	MAINTAINABILITY PARAMETER	1 NAX (952) ORGAN	
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: CATEGORY		8	COPATUNICATIONS	OKS				SAINTAIN	ABILITY	MAINTAINABILITY PARAMETER	PYAX (90%) SUBORGAN	
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MAINTAINABILITY COMPARISON DATA

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67			 	: :0576 :0676	: 9290				1.190			

MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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MAINTAINABILITY COMPARISON DATA

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EQUIPMENT MAINTAINABILITY DATA

SECTION 4

DETAILED LISTINGS

MAINTAINABILITY DATA BY

EQUIPMENT CATEGORY AND DATA TYPE

DETAILED LISTINGS

BY CATEGORY AND EQUIPMENT ID

Section 4 contains detailed listings of maintainability data contained in the RCM automated database. Included are maintainability numerics experienced during field operation, simulated operation and demonstration tests. Also included are specified, allocated and predicted maintainability numerics.

Entries in this section are organized first by category and data type. The data are organized in this manner that the reader may readily compare maintainability numerics at the equipment category level.

A complete explanation of the terms and abbreviations used in the detailed listings may be found in the Usage Guide, pages 4-3 to 4-5.

USAGE GUIDE

The description given below applies to the computer listings of this section. The circled numbers shown in the sample tabulation form below refer to the explanatory text that follows. A few minutes familiarizing oneself with the information supplied below will aid user interpretation of the data contained herein.

MAINTAINABILITY COMPABISON BATA

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- ① CATEGORY. Denotes the general functional purpose of the overall equipment as usually defined at the Set equipment level.
- 2 DATA TYPE. The source of the maintainability data.
- 3 EQUIP ID. The unique identifier assigned to an equipment.
- PROG PHASE. Program Phase. The codes for Program Phase are:
 - 1 Development
 - 2 Production
 - 3 Operational
- 5 MAINT PARAM. Maintainability Parameter. Indentifies the specific parameter for which this data is a measure. The codes for MAINT PARAM are:

1	MTTR Suborganizational	7 M _{MAX}	(95%)	Suborganizational
2	MTTR Organizational	8 M _{MAX}	(95 %)	Organizational
3	MTTR Intermediate	9 M _{MAX}	(95%)	Intermediate
4	M _{CT} Suborganizational	10 M _{MAX}	(90%)	Suborganizational
5	M _{CT} Organizational	11 M _{MAX}	(90%)	Organizational
6	M _{CT} Intermediate	12 M _{MAX}	(90%)	Intermediate

13	MPT
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14 MMH/FH/OP HR

16 BIT ON-LINE/AUTO

17 BIT OFFLINE/MANUAL

- 15 Mean Downtime
- 6 <u>EQ TYPE</u>. Equipment Type. Denotes the specific functional purpose of the detailed equipment as usually defined at the Group or Unit equipment level. The codes for EQ TYPE are:

01	Power	Sup	ply
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02 Transmitter

03 Receiver

04 Transceiver

05 Antenna

06 Amplifier, Audio

07 Amplifier, RF

08 Amplifier, Video

09 Computer

10 Memory

11 I/O Device

12 Indicator/Control

13 Modulator/Demodulator

14 Coder/Decoder

- 15 Multiplexer/Demultiplexer
- 16 Interconnection/Distribution
- 17 Converter D/A or A/D
- 18 Filter
- 19 Inertial Reference
- 20 Stellar Reference
- 21 Frequency/Timing Generator
- 22 Cooling/Pressurizing
- 23 Test Circuitry
- 24 Alarm
- 25 Signal/Data Processor
- 26 Miscellaneous
- 27 Transducer
- START DATE. Start date of test or period of concern (MMYY).
- 8 END DATE. End date of test or period of concern. If the start and end dates of the test are unknown, then the date on the source documentation is coded in this field (MMYY).
- 9 FAULT DETECT. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of detecting a given fault.
- 10 FALSE ALARM. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of indicating a fault when none exists.

- FAULT ISOLATE 1 LRU. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to a single Line Replaceable Unit (LRU) or Shop Replaceable Unit (SRU).
- 12 FAULT ISOLATE X. Applicable only when MAINT PARAM is 16 or 17. This field denotes the LRU or SRU group size to which the probability listed in field FAULT ISOLATE LRUs applies.
- 13 FAULT ISOLATE LRUS. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to X LRUs or SRUs.
- MAINT NUMERIC. The numeric value, in hours, of the maintainability parameter. Applicable for all MAINT PARAM except 16 or 17.
- (5) <u>SAMPLE SIZE</u>. The number of maintenance actions on which the applicable numeric is based.
- REMARKS. Any additional data or background information which may be pertinent to this maintenance activity.

MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATECORY

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. 54	2			: 04 76	: 0476				! !		300	50	:ICU POT INCLUDED IN PERONSTRATION TEST.
. 54	7	: :		: : 0476	: 0476						.430 :	95	: :ICU NOT INCLUDED IN DEMONSTRATION TEST.
. 54	2	: 17	. .	: : 04 76	: 0476	.: 98.C		: 84.0 :	3: :	: 98.0:	. 000	20	
52 :	2				: 0675						: 012.	3	
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52 :	7			·· ·· ··	: 0675						.330	20	: FOR DEMONSTRATION TEST PURPOSES. NOT INCLUDING CONTROL-PRE SUPPLY (IAV) OR SYNCHPO ASSY (ATA)
 52 :	2				: :0675 :						. 48n :	90	: :FOR DENONSTRATION TEST PURPOSES. NOT INCLUDING CONTROL-PWR SUPPLY (IAV) :OR SYNCHRO ASSY (AIA)
53 :	2		: 16	: 16 : 0376	: 0376						: 061.	95	
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175 :				: :1276 :	: : 1276 :						. 620 :	01	: :R/H/A DEMO TEST FROM: 12-1-76 TO 12-16-76 BY SACRAHENTO AIR LUGISTICS::CENTER.
: 175 :		œ 		: : 1276 :	: : 12 <i>7</i> 6 :			•• •• ••			. 670 :	<u>:</u>	: :R/H:/A DFMO TEST FROW 12-1-76 TC 12-16-76 BY SACRAMENTO AIR LUCISTICS :CFWTER.
: 411 :	-	 	: 25		: :0973 :0174						: 006	2	

MAINTAINABILITY DATA BY CATECORY

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210:	-		7	••	<i></i>	9:0772:1174	: 117	 .e			••		8.400	٠.	8.400 : 5 :CAT 1. MEAN MAINTENANCE MANHOURS.
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210		••	14	••	•	9:0474:0675	:067			••	••		: 1.170 : 69	69 :	:DIGE: MEAN MAINTENANCE MANHOURS.
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292	-	••	. 14		6	9:0772:1174	: 1174	 	••	••	••		: 4.600 :		:CATI. MEAN MAINTENANCE MANHOURS.
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292	-	••	. 14	••	6	9:0474:0675	: 067		••	••	••		: 1.880 : 15	: 15	:DI&E TEST. MEAN MAINTENANCE MANHOURS.
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MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATEGORY

VALUE CALL CALL <t< th=""><th>: CATECORY</th><th>14</th><th></th><th>8</th><th>CONTROLS/DISPLAYS</th><th>/DISPL</th><th>AYS</th><th></th><th>۵</th><th>DATA TYPE</th><th>ы</th><th>PRE</th><th>PREDICTED</th><th>" </th></t<>	: CATECORY	14		8	CONTROLS/DISPLAYS	/DISPL	AYS		۵	DATA TYPE	ы	PRE	PREDICTED	"
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MAINTAINABILITY DATA BY CATECORY

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2 1 1 12 10275 10375 1000 50 2 11 12 10275 10375 1000 100 10 2 11 12 10275 10375 1000 100 100 10 2 11 12 10275 10375 1000 100 10 2 11 12 10275 10375 10375 1000 100 10 2 11 12 10275 10375 10375 1000 100 10 1 14 12 10772 1174 1000 1000 1000 1000 1000 1000 1000		HAINT: PARAM:1	EQ :STA		PAULT E: DETECT	FALSE: ALARM:		ISOLATE X: LRUS	: MAINT :	SAMPLE	REMARKS
2 11 12 0275 0375 3 1 5 1 600 50 2 17 12 0874 0874 99.9 58.8 3 70.6; .000 19 2 17 12 0275 0375 99.9 78.0 3 94.0; .000 50 2 17 12 0275 0375 99.9 78.0 3 94.0; .000 50 2 17 12 0275 0375 99.9 78.0 3 94.0; .000 50 CONTROLS/DISPLAYS DATA TYPE FILE BASE: PARAMITTER: DATE: DATE: DATE: FAULT ISOLATE HAINT SAMPLE I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 14 12 0772 1174 8 8.500 17 I 15 14 12 0772 1174 8 8.500 17 I 16 12 0772 1174 8 8.500 17 I 17 12 0772 1174 8 8.500 17 I 18 12 0772 1174 8 8.500 17 I 19 12 0772 1174 8 8.500 17 I 19 12 0772 1174 8 8.500 17 I 19 14 12 0772 1174 8 8.500 17 I 19 15 17 17 17 17 17 17 17 17 17 17 17 17 17	36 2	7	1	1				 i	. 007	50	
2 17 12 0874 0874 99.9 58.8 370.6 000 19 2 17 12 0275 0375 99.9 76.0 394.0 000 50 CONTROLS/DISPLAYS DATA TYPE TOCHROLS/DISPLAYS CONTROLS/DISPLAYS DATA TYPE Tochrols/DISPLAYS Tochrols/DISPLAYS Tochrols/DISPLAYS Tochrols/DISPLAYS DATA TYPE FL CONTROLS/DISPLAYS DATA TYPE FL CONTROLS/DISPLAYS DATA TYPE FL TOCHROLS/DISPLAYS Tochrols/DISPLAYS Tochrols/DISPLAYS DATA TYPE FL CONTROLS/DISPLAYS DATA TYPE FL TOCHROLS/DISPLAYS Tochrols/DISPLAYS Toch		::					••••			S	
1 1 12 1275 19375 199.9 178.0 31 94.0 1000 50 50 50 50 50 50	36 : 2 ::			: 4 : 0874	•• ••	·· ··	58.8:	3: 70.6		19	: INITIAL MAINTAINABILITY DEMONS.RATION TEST (FAILED)
CONTROLS/DISPLAYS PROC: MAINT: EQ: START: END: FAULT: FALSE: FAULT ISOLATE: MAINT: SAMPLE I : 14 : 12 : 0772 : 1174 : : : : : : : : : : : : : : : : : : :		1		5 : 0375			78.0 :	3: 94.0	ł	1	: :MAINTAINABILITY DEMONSTRATION RETEST FOLLOWING SOFTWARE REWORK. :
PROG: NAINT: EQ : START: END: FAULT: FALSE: FAULT ISOLATE: HAINT: SAHFLE: PRASE: PARM: ITPE: DATE: D	LTECORY		CONTRC	OLS/DIS	PLAYS			DATA TYP		11.	FLICHT/FIELD TEST
1 14 12 0772 1174 15 15 16 17 1174 17 1174 17 1174 17 1174 17 1174 17 17		MAINT: PARAM:1	EQ : STAI TPE: DAT		1	FALSE:	FAULT 1 LRU:	ISOLATE X: LRUS	MAINT	SAMPLE	REYARKS
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1 14 12 10772 1174	205 : 1 :				••		•• ••		: 12.800	11	; cat i;mean maintenance manhours.
1 14 12 10772 1174	208 : 1 :	.					•• ••		. 9.000 :	٣	: Cat I;mean maintenance manhours.
1 14 12 0772 1174	212 : 1 :	 *			•• •• •	•• •• •	** ** '	 .	: 20.200 :	10	: :CAT I;HEAN MAINTENANCE MANHOURS
1 14 12 1072 1174	213 : 1 :	 *					•••		5.700 :	-	: :CAT I;MEAN MAINTENANCE NANHOURS
1 14 12 10772 1174	215 : 1 :				••••		••		1.000	-	: :CAT I;HEAN MAINTENANCE MANHOURS
1 14 12 1072 1174	216 : 1 :				•• ••		•••	•• ••	2.700 :	7	: :CAT I;MEAN NAINTENANCE MANHOURS
1 1 14 12 1772 1174 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	220 : 1 :	41			•• ••		••		3.140 :	۶	; :Cat 1;Hean Maintenance Hanhours.
1 14 12 5 10772 11174 : : : : : 3.100 : 1 1 1 14 : 12 : 0772 : 1174 : : : : 4.500 : 12	309: 1:	. 41	:077		·· ··		•• ••		. 4.000	9	: :CAT 1.
1 14 12 :0772 :1174 : : : : 4.500 : 12	310 : 1				••••		•• ••	·• ·• ·	3.100 :	-	GATI TEST. HEAN MAINTENANCE NANHOURS.
	312 : 1 :	 .					•• •• •		. 4.500 :	12	CAT I
9 : 009 *C : : : : : : : */11: 7//0: 97 : •1 : :	314 : 1 :	· : ·	26 :0772	2 : 1174			• • •		. 5.600 :	9	CAT I.

MAINTAINABILITY DATA BY CATEGORY

CATECORY	2			CONT	CONTROLS /DIS PLAYS	ISPL	L IS			DAT	DATA TYPE		E .	FLICHT/FIELD TEST	
: EQUIP : PROC: HAINT: EQ :START: END :FAULT : ID :PHASE: PARAM:TYPE: DATE: DATE: DATE: DETECT	PROC	PAR	1. E	* PROG:MAINT: EQ :START: END :FAULT *PHASE:PARAM:TYPE: DATE: DATE:DETEC	ART: E	MATE:		: FALSE: F: ALARM:	E: FAUI	T 150	ATE :	FAISE: FAULT ISOLATE : MAINT :SAMPLE: ALARM: 1 LRU: X:LRUS :NUMERIC: SIZE :	SAMPL		REMARKS
22,	-	<u> </u>	! !] 	.0772 : 1174	*						3.400	-	: :CAT I	
329	-	.		: : : : : : : : : : : : : : : : : : :	: 22 :111 :	*		<i></i>			·· ·· ··	3.400	,	: :CAT I :	
: CATECORY	*	:		CONTI	CONTROLS/DISPLATS	ISPL	13			DAT	DATA TYPE		٥	OTHER	
: EQUIP : PROC:MAINT: EQ :START: END :FAULT : ID :FHASE:PARAH:TPE: DATE: DATE: DETECTED	PROG	PAR	Ë	: PROG:MAINT: EQ :START: END :FAULT: PHASE:PARAM:TYPE: DATE: DATE:DETEC	ART:	A TE:		FALSI ALAR	E: FAU	T 150	ATE :	: FAISE: FAULT ISOLATE : MAINT :SAMPLE: [: ALARN: 1 LRU: X:LRUS :NUMERIC: SIZE :	SAMPL		REMARKS
			! !	<u> </u>	<u>!</u> 	<u> </u>					Ï				
212	~ .	 		12:0675:0975	. S7	: 270					•• •	1.430:	4	REL PROD	
212				12:0176:0476	. 92	. 92				• ••	• ••	24-000		REL PROD	
: 212 :	~			: : 12 : 01 77 : 04 71	7 :05	: 14				 	•• ••	12.000 :	-	: :REL PROD	
212	- -			: : 12 :0374 :0375	. *	: 273						19.900		: :REL DEMO	
213	.			12:0374:0375		. 27					•• ••	5.000 ::	8	: REL DEMO	
. 215				12:0675:0975	. 27	: 271		. .			•• ••	2.750	7	: :REL PROD	
: 216 :	-			: : 12 :0374 :0375	74 :03	. 27					•• ••	. 500	- -	: :REL DEMO	
216				: : 12 :0675 :0975	75 :09	 271					•• ••	4.000	-	: :REL PROD	
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MAINTAINABILITY DATA BY CATECCHY

CATEGORY	. .			ECM/EM					DAT	DATA TYPE		FI	FLICHT/FIELD TEST
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221 :	-	7	. 18	221: 1:14:18:0772:1174	:1174					••	: 1.500 : 1 :CAT I.	-	:CAT I.
	-						·						F 640.
	-	:		7//0:	11/4					•	c : 067•1		
234 :		. 14	. ,	: 7:0772:1174:	:1174			·		• ••	2.000 : 1		:CAT 1
••						••				••	••		
236 :	-	: 14	: 25	: 0772	: 1174	••		••	••	••	: .700 : 1	-	:CAT I. LESS PROCRAMMER & TUNING UNITS.
••		••	••			••					••		
238:	-	1		:0772 :1174	: 1174			••		••	2.200 : 6		:CAT I
••	••	••	••		••	••	••	••		••	••		
248 :	- -	<u>.</u>	e 	3:0772:1174	: 1174		••	••		••	2.200 : 5		:CAT I.
••	_	••			••	••	••	••		••	••		
249 :	-	. 14	••	3:0772:1174	: 1174		••	••		••	2.000: 1		:CAT I
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221	~		••): 8 1	221 : 2 : 2 : 18 :0676 :0177	0177		••		••		•	9 : 002.9 :	9	••	
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221	~			18:0	221 : 2 : 2 : 18 :0177 :0377 :	3377		••	••	••		. 1	: 1.800 : 2	7	••	

: CATECORY	RY.			1B9	GUIDANCE/NAVIGATIO	AVIGA	LION			DATA TYPE	PE		LOCATION	• •-
: EQUIP : PROC:MAINT: EQ :START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: ID :PRASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS :NUMERIC: S12E :	: PRAS	C:MAI	# # F	EQ : S	TART: 1 DATE: 1	ATE:DI	AULT : TTECT:	PALSE: ALARM:	FAULT 1 LRU:	ISOLATE X: LRUS	. MAIN	T : SAMI	ISE: FAULT ISOLATE : MAINT :SAMPLE: ARM: 1 LRU: X:LRUS :NUMERIC: SIZE :	· · · ·
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: 161	. 5	161 : 2 : 2		••	õ	: 0875 :	••	••	••		: 1.200	. 0	••	••
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: 161	. 5	161 : 2 : 11	••	••	<u>ੜ</u>	: 0875 :	••	••	••		3.200		••	••
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MAINTAINABILITY DATA BY CATEGORY

: CATEGORY	<u>.</u>		ਰ	GUI DANCE/NA VI GATIO	/NAVIC	CATION		A	DATA TYPE		SPEC	SPEC IF IED/ALLOCATION	
EQUI P	PROC	: PROC:MAINT: EQ :START:	EQ :	START: DATE:	END	FAULT :	END : FAULT : FALSE: DATE: DETECT: ALARM:	FAULT IS	SOLATE :	PAULT ISOLATE : MAINT : SAMPLE: 1 LRU: X:LRUS : NUMERIC: SIZE :	SAMPLE: SIZE:	REYARKS	
191	~	=			8 8			! 		. 270			
. 161		: 17		•• ••	: 0875	: 98.0 :		. 0.06	3: 95.0:				
: 162 :			· •										
: 162 :	~	. 14	*					•• ••		. 200.			
 3	~		. 16				••••			1.800 :			
. 164 :			: 16 :		••						*	:: :M=.0001	
: : 165 :			: 12 :	·· ··			•• ••			1.000			
: 165 :		*	: 12 ::	•• ••						. 001			
: 166 :	~		: 12 ::	•• ••	••		•• ••	••		1.000			
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167						• •• ••	• •• •	• •• •		S	• •• •		
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: 170 : :	~	* 1 :	- - 				••••			032	•• ••		
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: 171 :	~	*	: 12 :	•		• ••	• ••	• ••		. 020	• ••		
: 172 :	~		: 61	·· ··			•• ••	•• ••		1.200 :	·· ··		
: 172 :	~	. 14	: 19 :							183 :			
: : : : : : : : : : : : : : : : : : :			: 12 ::							1.200 :			
: 173 :		*	: 12 :								*:	: :M=, 0006	
. 420 :	-				: 0977		••••			. 500 :			
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MAINTAINABILITY DATA BY CATEGORY

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420	-	=			:0977				90.0			000				
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EQUIP :	PROG	PARAH	13.5	: PROG:MAINT: EQ :START: :PHASE:PARAH:TYPE: DATE:		END : FAULT DATE: DETECT	AULT : ETECT:	FALSE: ALARM:	FALSE: FAULT ISOLATE ALARM: 1 LRU: X:LRUS	ISOL X:L	ATE :	: MAINT : SAMPLE : NUMERIC: SIZE	SAMPLE		REMARKS	
161	~	~			: 0875					! •		. 720				
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101	· ·	: :			<u> </u>		• ••	- 			• ••	010-1				
: 191 :	~	*			:0178	 82	•• ••	- ••	_		•• ••	. 108				
162	7	٠.	•	·		••	•••	••			••	.540	•••	• ••		
162 :	~	. 14				•• ••	•• ••	·· ··			•• ••	800				
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191	~	. 14	. 56	•••			• ••	••		· ··	• ••	.001	··	:M=.00002		
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 29	~	z 	: 12				•••	•				.450		••		
165	~		: 12			• ••	•••				• ••	00.				
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 180	~	. 14	: 12					••		 		.00				
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167	~	٠. د				••	••	••		••	••	.640		••		
167	~	: 14		··				·• ••				.016		•• ••		
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MAINTAINABILITY DATA BY CATEGORY

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GUI DANCE/NA VI GATION	TART: DATE:		•• ••	•• ••					••			•• ••	•• ••	•• ••	•• ••	•••	• ••	•		7.	
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İ	A I A	~	14	~	7																
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: CATEGORY	EQUIP : PROC:HAINT: EQ :START: END :FAULT : PAISE: ID :PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM:	<u>!</u> !	171 : 2 : 14	172 : 2 : 2	172 : 2 : 14	173 : 2 :	173 : 2 :	428:1:	 428 : 1 :	: : 428 : 1 :	. : : 428 : 1 :				: : : 428 : 1 :	: : 867		420 : 1 :	420 : 1 :	: : : 422 : 1 :	: : : 421 : 1 : : : :

MAINTAINABILITY DATA BY CATECURY

: CATECORY	<u>ک</u>	İ		٥	GUI DANCE/NA VI GATION	E /NA	VICA	TION			DATA TYPE	TYPE		c	DEMONSTRATED	
EQUIP	PRO:	C: PA	INT:	EQ TYPE	PROC:MAINT: EQ :START: END :FAULT: PHASE:PARAM:TYPE: DATE: DATE: DATE:	F. ENI	TE:D	AULT : ETECT:	: PROG:MAINT: EQ :START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE: :PHASE:PARAM:TYPE: DATE: DETECT: ALARM: 1 LRU: X:LRUS :NUMERIC: SIZE :	FAULT 1 LRU:	ISOLA: X:LRI	TE ::	MAINT : UMERIC:	SAMPL	E: :	
191	~	! !	7		5770: 6770:						i I		. 330 : 50	8	: :PER MIL-STP 471 METHOD 2	
					: : : : : : : : : : : : : : : : : : : :	: 077							: .520 : 50	20	: PER MIL-STD 471 METHOD 2	
. 191						: 0875		. 6.66	- ••	96.0 : 3: 99.9:	3: 95	9.9:	. 000 : 50	20		
. 420					:	: 0877		·· ··	·· ··				. 330			
: 420					: : : 0777 : 0877	: 087;		••••		99.9			. 000			
. 422	-			56	26:0777:0877	: 087;		·· ··	••••				1.200 :			
: 421				19	: : 19:0777:0877	: 087,		•• ••	••				1.200 :			
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: CATEGORY	¥			S	GUI DANC E/NA VI CATION	E/NA	VICA	TION			DATA TYPE	TYPE		į.	FLIGHT/FIELD TEST	
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CATEGORY	_		-	GUIDANG	CE/NAV	GUI DANCE/NA VI CATION			DATA TYPE	ы	답	FLIGHT/FIELD TEST
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	-	2		:0176	0176 : 0476	• • •				1.840 : 42	42	:: :HANHOURS=77/MAINTENANCE ACTIONS=42
 86	_	*		: : 01 76 :	0176 : 0476					032 : 42	74	: MANHOURS=77/FLYING HOURS=2439
209 :	-	*	19	19:0772	: 1174		• •• ••			2.200 :		CAT 1
222 :	-	71		4 :0772	: 1174	·				13.700 : 17	:	CALL ISMEAN MAINTENANCE MANHOURS.
. 404	-	14	: 12	12 :0772	:1174					:22.900 : 20	20	CAT I; MEAN MAINTENANCE MANHOURS.
408 :		71	: 12	12 :0772	: 1174	·· ·· ·				:22.900 : 20	20	GAT I; MEAN MAINTENANCE MANHOURS.
293 :		2		:0772	:1174					8.300 : 25	25	CAT I; MEAN MAINTENANCE MANHOURS
294 :	-	7 1		. : 0772	: 1174					8.540 : 18	18	CAT I; MEAN MAINTENANCE MANHOURS
295 :	_	7	19	19:0772	: 1174					:16.300 :	e	CAT I; MEAN MAINTENANCE MANHOURS

MAINTAINABILITY DATA BY CATEGORY

MAINT : SAMP : NUMBER C: STZ : 1.150 : 4 : 7.520 : 49 : 8.170 : 42 : 8.170 : 7 : 3.610 : 7 : 3.610 : 7 : 4.500 : 3 : 5.400 : 3	TAULT ISOLATE MAINT SAMPLE I LRU: X:LRUS NUMER IC SIZE	FALSE: FAULT ISOLATE: MAINT: SAHFLE	T: FALSE: FAULT ISOLATE: MAINT: SAMPLE TT. ALARM: 1 LRU: X:LRUS: NUMERIC: SIZE TT. ALARM: 1 LRU: X:LRUS: NUMERIC: NUMERIC: SIZE TT. ALARM: 1 LRU: X:LRUS: NUMERIC: NU	START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE : DATE: DAT
HAINT : SAMPLE : NUMER IC: SIZE : 1.150 : 49 : 7.520 : 49 : 8.170 : 42 : 3.610 : 7 : 3.610 : 7 : 3.610 : 7 : 5.400 : 3	FAULT ISOLATE: MAINT: SAMPLE 1 LRU: K:LRUS: NUMERIC: SIZE 1 1.150 4 1 1.150 4 1 1.150 4 1 1.150 4 1 1.150 4 1 1.150 4 1 1.150 4 1 1.150 1 1	FALSE: FAULT ISOLATE: MAINT: SAMPLE	T: FAISE: FAULT ISOLATE: MAINT: SAMPLE TT: ALARM: 1 LRU: X:LRUS: NUMER IC: SIZE TT: ALARM: 1 LRU: X:LRUS: NUMER IC: SIZE TT: ALARM: 1 LRU: X:LRUS: NUMER IC: SIZE TT: T: T: T: T: T: T: T: T: T: T: T: T:	GUIDANCE/NAVIGATION PROC: MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE: MAINT: SAMPLE IN 14 : 12 : 0772 : 1174 :
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MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATEGORY

MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATECORY

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	7	7 			: 1077			•• ••		96	ጽ	•• ••
2 .	7	Ξ.	•		:1077			•	•	1.880	8	
7	7		•	: 0877	: 0977		• ••	• ••	• ••	1.040	: 12	HISSION AVIONICS MAINTAINABILITY DEMO A/V GROUND TEST
	8	. 16			: 1077	••••	• ••	••••	3: 88.0:		۶ 	: :MAINTAINABILITY DEMONSTRATION TEST.
	~	: : 16			: :1677	. 93.0 :		63.0 :	3: 84.0:			: BIT EFFECTIVENESS DEMONSTRATION TEST.
. 71	m 	•• •• •• ••		: :1276 :	: :1276 :			•• •• ••		2.200 :	67 ::	: :R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOCISTICS :CENTED: TOTAL SYSTEM EXCEPT PHASE SHIFTERS:
174 :	m	œ 		: 1276	: : 12 <i>7</i> 6					099•	58	: :R/M/A DENO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CRNTER.
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MAINTAINABILITY DATA BY CATEGORY

CATECORY	R		~ Z	RADAR				8	DATA TYPE	•	à	DEMONS TRATED
11 00	PRO	G: MA INT	: E0	START: DATE:	EQUIP : PROC:MAINT: EQ :START: END :PAULT ID :PRASE:PARAM:TYPE: DATE: DATE:DETECT	" # i	PALSE: ALARM:	FAULT I 1 LRU:	SOLATE X: LRUS	PALSE: FAULT ISOLATE : HAINT :SAMPLE: ALARM: 1 LRU: X:LRUS :NUMERIC: SIZE :	SAMPLE	REMARKS
171		<u> </u>		1276 : 1276	1276					1.610 : 49		: :R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. TOTAL SYSTEM EXCEPT PHASE SHIFTERS.
174				: 1276 : 1276 : 1376 : 1276	1276 :					510 : 58		: R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO ATR LOCISTICS: CENTER.
178				: :1276 :1276 :	1276 :	·· ·· ··				2.500	9	R./H/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOCISTICS CENTER. RADAR SUBSYSTEM EXCEPT PHASE SHIFTERS.
178		6 0		: 1276 : 1276 : 1376 : 1276	1276 :	•• •• ••		• • •	••••	650 : 48		: R.P.H.A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS: CENTER. RADAR SUBSYSTEM.
178		•n		: 1276 : 1276	1276 :	•• •• ••	** ** **	** ** ** *		1.820 : 40		: R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOCISTICS: CENTER. RADAR SUBSYSTEM EXCEPT PHASE SHIFTERS.
178				: 1276 : 1276 : 1 : :	1276:		**			500 . 48		:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS CENTER. RADAR SUBSYSTEM.

D :FRASE: PARAM: TYPE: DATE: DATE: DETECTED 250: 1: 14: : 5:0772:1174:	PROC: MAINT: EQ : STA PHASE: PARAH: TTPE: DA 1 : 14 : 077	EQ : S'	E: DAT	END DATE	PROG:MAINT: EQ :START: END :FAULT: PHASE:PARAH:TTPE: DATE: DATE:DETECT: 1 : 14 : :0772 :1174 :		FAULT					
250 : 1 : 257 : 1 : 1	2 2		2 2	%			1 LRU:	X: LRUS :	FAISE: FAULT ISOLATE : MAINT :SAMPLE: ALARM: 1 LRU: X:LRUS :NUMERIC: SIZE :	SIZE	REMARKS	
250: 1: 257: 1:	2 2	 	1772 : 1 : : : :	1174 :			 	Ϊ 	:			***************************************
257: 1 :	.	. 0:	: 2770	•	•••		••	••	5.400 : 8		:CAT I.	
257: 1:	 :	5 :0	1772 : 1	••			••		**			
	••			1174 :			••		8.400 : 10		:CAT I	
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259: 1:	*	25 :0	25 :0772 :1174	1174 :	••	••	••		: 2.700 : 7		:CAT I	
••	••	••	••	••	••		••	••	**			
260 : 1 :	 *	25 :0	25 :0772 :1174	1174 :	••	••	••		: 4.000 :	80	:CAT I	
••	••	••	••	••		••	••		**			
261 : 1 :	 *1	25 :0	: 0772	: 1174 :	••		••		: 5.500 :	7	CAT I	
••	••	••	••	••	••	••	••	••	••			
262 : 1 :	: *	21:0	21:0772:1174	1174:		••	••		3.600 :	9	:CAT I	
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263 : 1 :	14 :	1:0	:0772 :1174	1174 :	••	••	••		5.200 :	4	:CAT I	
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MAINTAINABILITY DATA BY CATEGORY

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PROC: MAINT: EQ. START: END.: FAULT: FALSE: RAULT ISOLATE: HAINT: SANFLE:	;							
1 14 3 0772 1174 12 1000 2 1 14 2 0772 1174 12 10 9 1 14 2 0772 1174 3 5 700 3 1 14 2 0776 0876 6	-		ND : FAULT :		FAULT ISOI 1 LRU: X:I		SAMPLE	: :
1 14 2 0772 1174 11 5.700 3 1 14 2 0772 1174 5.700 3 1 14 2 0772 1174 143 3.200 3 1 14 2 0776 0876 6876 <td< td=""><td>1 : 14 : 3</td><td>1</td><td>74 :</td><td></td><td></td><td>2.000</td><td></td><td>CAT I.</td></td<>	1 : 14 : 3	1	74 :			2.000		CAT I.
1 14 21 0772 1174 3.200 3 1 14 2 0772 1174 3.200 3 1 2 25 0776 0876 6.0876 6.089 1 14 25 0776 0876 6.0876 6.006 1 14 25 0776 0876 6.006 6.006 1 14 25 0776 0876 6.007 6.0876 6.007 1 14 25 0776 0876 6.0876 6.017 1 14 25 0776 0876 6.0876 6.017 1 14 25 0776 0876 6.017 1 14 25 0776 0876 6.017 1 1 2 25 0776 0876 6.017 1 1 2 25 0776 0876 6.017 1 1 2 25 0776 0876 6.017 1 2 25 07	: 1 : 14 : 2			•• ••		: 12 . 100	6	SCAT I
1 14 2 0772 1174 143 1 2 25 0776 0876 143 1 3 25 0776 0876 1009 1 1 2 25 0776 0876 1009 1 3 25 0776 0876 1009 1009 1 1 2 25 0776 0876 1009 1009 1 1 2 25 0776 0876 1009 1009 1 1 2 25 0776 0876 1009 1009 1 1 2 25 0776 0876 1009 1009 1 1 2 25 0776 0876 1139 1139 1 1 3 25 0776 0876 1135 1135	: 1 : 14 : 21			•• ••		5.700		:CAT I
1 1 2 2 5 0776 0876	: 1 : 14 : 2					3.200	e 	:CAT I
1 3 25 0776 0876	: .1 : 2 : 25 : .1 : 1 : 2			•• •• ••		: .143		: :IOT&E.M-NUM-ESTIMATE.DIRECT LABOR-2.5RR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT-2.2/0.9HR. FOR MITR EQ SEE SEQ #2
1 14 25 0776 0876	: : : : : : : : : : : : : : : : : : :							: :IOTGE M-NUM-ESTIMATE-TOTAL LABOR HRX(SPU FR/TOTAL GP B FR)Z.DIRECT :LABOR -2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.9HR.
1 2 25 0776 0876 .065 1 3 25 0776 0876 .005 1 1 4 25 0776 0876 .009 1 2 25 0776 0876 .078 .078 1 3 25 0776 0876 .077 .077 1 14 25 0776 0876 .011 .011 1 2 25 0776 0876 .011 .139 1 3 25 0776 .0876 .135 .135	: 1 : 14 : 25			•• ••		020		::IOT&E.H-NUM-ESTIMATE=MTTR(ORGAN)XMEN(2) X1/14.5.
1 1 3 25 0776 0876	: 1 : 2 : 25 : 1 : 2 : 25						,	: :IOT&E.HNUM-ESTIMATE.DIRECT LABOR-2.1HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -2.2/0.9HR. FOR MITR EQ SEE SEQ #2.
1 1 14 1 2 2 2 5 0776 10876	: : : : : : : : : : : : : : : : : : :		92	•• ••				: :IOT&E M-NUM-ESTINATE-TOTAL LABOR HRX(NCU FR/TOTAL GP B FR)%. DIRECT :LABOR -2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.9HR.
1 1 2 2 25 0776 0876	: 1 : 14 : 25		9/	•• ••	•• ••			: :IOTHE.M-NUM-ESTIMATE = MTTR (ORGAN) XMEN (2) XI /14.5.
1 1 3 25 0776 0876	1 2 25					: : .078	<i>.</i> .	: :IOT6E.M-NUM-ESTIMATE.DIRECT LABOR - 2.8HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -2.2/0.9HR. FOR MITR EQ SEE SEQ #2.
1 14 25 10776 10876	: 1 : 3 : 25 : 1 : 3 : 25					: 077	<i>.</i> .	: IDT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(IFP FR/TOTAL GP B FR)%. DIRECT: :LABOR -4.OHR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.9HR.
1 1 2 1 2 2 2 2 0776 10876 1 1 1 1 2 1 2 2 2 2 1 1 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2	: 1 : 14 : 25			•• ••			·· ·· ·	: :IOT&E.M-NUM-ESTIMATE-NTTR (ORGAN)XMEN(2) XI/14.5.
1 1 3 : 25 : 0776 : 0876 :	1 2 : 25		92			139		::IOT&E.M-NUM-ESTIMATE.DIRECT LABOR = 3.34R & BASED ON MAINT ACTIONS.:INDIRECT LABOR MATURE/IDEAL BIT ~2.2/0.94R. FOR MITR EQ SEE SEQ #2.
	1 1 3 25			•• •• ••		135		::IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(FSCU FR/TOTAL GP B FR)%. DIRECT :IABOR -3.0 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.9HR.
367: 1: 14: 25:0776:0876: : : : : : : : : : : : : : : : : : :	: 1 : 14 : 25	776 : 08)		· · ·		019		: :IOT6E.M-NUM-ESTIMATE-NTTR (ORGAN)XMEN(2) X1/14.5.
368: 1: 2: 21:0776:0876: : : : : : .440: : : : : : : : : : : : : : : : : : :	: 1 : 2 : 21 : 1 : 2 : 21							::IOT&E.M-NUM-ESTIMATE.DIRECT LABOR-3.2NR & BASED ON MAINT ACTIONS.:INDIRECT LABOR MATURE/IDEAL BIT -2.2/0.9NR. FOR MTTR EQ SEE SEQ #2

MAINTAINABILITY DATA BY CATLCORY

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368			! !	2 12	07.76	:0876			- 	 	! !	.604	: :IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(EFS FR/TOTAL GP B FR)1.DIRECT :LABOR -6.5HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.9HR.
368	-			21 :0	: 9770:	: 0876						. 190	: :IOT&E.H-NUM-ESTIMATE=MITR(ORGAN)XHEN(2) X1/14.5.
36					: 0776	: 0876			94 45			.073	: :IOTGE.M-NUM-ESTIMATE.DIRECT LABOR-2.3HR & BASED ON MAINT ACTIONS. :INDRIECT LABOR MATURE/IDEAL BIT -2.2/0.9HR. FOR MITR EQ SEE SEQ #2.
36					0776	: 0876			 ••	•• •• ••		.072	: IOTEE M-NUM-ESTIMATE-TOTAL LABOR HRX(CPSU FR/TOTAL GP B FR)1.DIRECT :LABOR -3.5HR & BASED ON MAINT ACTIONS.INDIRECT LABOR -0.9HR.
369			•• •• • 		: 0776	: 0876			•• ••			.010	: :IOT&E.M-WIN-ESTIMATE-HTTR(ORGAN)XMEN(2) X1/14.5.
370				 	: 0770	: 0876					•	.103 :	:IOTSE.M-NUM-ESTIMATE. DIRECT LABOR = 5.1HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =1.7/1.0HR. FOR MITR EQ SEE SEQ 12.
370		en 		 	: 0776	. 0876			·• ••			. 040	: :IOTGE M-NUM-ESTIMATE-TOTAL LABOR HRX(BR FR/TOTAL GP B FR)X. DIRECT: :LABOR =1.9 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.7HR.
370				. e	: 1 :0776 :0876	0876			••			.014	: :IOT&E.H-NUM-ESTIMATE-MITR(ORGAN)XMEN(2) X1/14.5.
371		~		. ;;	: 0776	: 0876				·· ·· ··		: : 115 :	: :IOTGE.M-NUM-ESTIMATE.DIRECT LABOR-11.6HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -1.7/1.0HR. FOR HTTR EQ SEE SEQ #2.
371	-			 	: 0776	: 0876						.035 :	: :IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(FAR FR/TOTAL CP B FR)Z.DIRECT :LABOR =3.2HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.7.
371	,	. 14	، وه وه حد	3 ::	:0776 :0876	9280						.016	: :IOT&E.M-NUM-ESTIMATE-MITR(ORGAN)XMEN(2) XI/14.5.
372				 	: 0776	: : 0876 :					•	. 803 ·	: :IOT&E.M-NUM-ESTIMATE.DIRECT LABOR-4.OHR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT -1.7/1.OHR. FOR MITR EO SEE SEC #2.
372				 	: 0776	10876			 ••		•	. 790 :	: IOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(LBR FR/TOTAL CP B FR) L.DIRECT LABOR =4.7HR & BASED ON MAINT ACTIONS.INDIRECT LABOR =0.9HR.
372		*		3 .	10776 : 0876	9280				· · ·	•	. 111	:IOT&E.M-NUM-ESTIMAT-HTTR (ORCAN)XMEN(2) XI/14.5.
55	-			 	: 0776	. 0876			·	· · · · ·	•	. 990.	: IOTSE.M-NUM-ESTIMATE.DIRECT LABOR = 3.4HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MITR EQ SEE SEQ #2.
373				. 92 	: 0770	:0876				· · ·		. 018 :	: 1016E M-NUM-ESTIMATE-TOTAL LABOR HRX(LBS FR/TOTAL GP B FR)Z.DIRECT :1ABOR -0.9HR & BASED ON MAINT ACTIONS.INDIRECT LABOR -0.7HR.

MAINTAINABILITY DATA BY CATEGORY

CATECORY	<u>.</u>		2	KADAK			T V	MIN IIFE		FLICAL/FIELD IFSI
EQUIP :	PROC	PARAM	EQ TYPE	: PROG:MAINT: EQ :START: :PHASE:PARAH:TYPE: DATE:	END : FAULT DATE: DETE(I : FALSE: FAULT ISOLATE T: ALARM: 1 LRU: X:LRUS	FAULT ISOLATE 1 LRU: X:LRUS		: MAINT : SAMPLE: :NUMERIC: SIZE :	PLE: 2E:
373	~	±	. 26	: 9//0:	: 0876			•••	600	::OI&E.H-NUM-ESTIMATE-MITR(ORGAN)XMEN(2) XI/14.5.
375 :	-	~	27	: :0776 :	: 0876 : : 0876 :				. 063	: :IOTAE.H-NUM-ESTIMATE- TOTAL LABOR HRX(CAMP FR/TOTAL GP B FR)1. DIRECT :LABOR = 2. HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2. ZHR.
375 :	-	m 		: 0776	: 0876 :				 82 •	: :IOTGE.M-NUM-ESTIMATE- SEE SEQ #1.DIRECT LABOR-5.9 HR & BASED ON MAINT :ACTIONS. INDIRECT LABOR 94R.
375		. 14	: 12	: 9770:	: 0876				: 600	:10T&E.H-NUM-ESTIHATE-HTTR (ORCAN) IMEN(2) I 1/14.5.
376 :				: 0776	: 0876 :				.215 :	: :IOT&E.M-NUM-EST DNATE-TOTAL LABOR HRX(DEU FR/TOTAL GP B FR)1. DIRECT :LABOR -2.7HR & BASED ON HAINT ACTIONS. INDIRECT LABOR - 2.2HR.
376 :		e 	. 12	: 0776	: 0876 : : 10876 :				. 3%	: :IOT&E.H-NUM-ESTIMATE SEE SEQ #1. DIRECT LABOR-8.1 HR & BASED ON MAINT :ACTIONS. INDIRECT LABOR = .9HR.
376 :		: 14	. 12	: 9270:	: 9280:				. 030	: :IOT6E.H-NUM-ESTINATE-HTTR(ORGAN) XMEN(2)X 1/14.5.
377 :	-		. 12	: 0776	: 0876 :		•• •• ••		: 590.	: IOTEE.M-NUM-ESTIMATE-TOTAL LABOR HRX(ACWP FR/TOTAL GP B FR)X. DIRECT :LABOR-2.1 & BASED ON MAIN ACTIONS.INDIRECT LABOR = 2.2HR.
377 :	-	m 	2	: 0776 :	: 0876 :			·· ·· ··	. 056 :	: :IOT&F.H-NUM-ESTIMATE- TOTAL LABOR HRX(ACMP PR/TOTAL GP B FR)X. DIRECT :LABOR -2.8 & BASED ON MAIN ACTIONS. INDIRECT LABOR9HR.
377 :	-	. 14	: 15	: 0776	: 0876 :				: 600.	: : 1016E.m-num-estinate-httr (organ) xnek (2) x1 / 14-5.
378		~	. 12	: 0776 : 10776	: 0876 : 0876 : :		·· ·· ··		.437 :	: :IOT6E.M-NUM-ESTIMATE.DIRECT LABOR-2.1HR 6 BASED ON 7 MAIN ACTIONS.IN- :DIRECT LABOR -2.2HR.MITR- TOTAL LABOR HRX(PPIAC FR/TOTAL GP B FR)X.
378	-	m 	. 12	: 0776 :	: 0876 : : : : : : : : : : : : : : : : : : :			** ** ** *	. 793 :	: :IOT6E.M-NUM-ESTIMATE-TOTAL LABOR HRX(PPIAC FR/TOTAL GP B FR)I. DIRECT :LABOR-6.4HR&BASED ON 7 HAIN ACTIONS. INDIRECT LABOR9HR.
378 :	~	7	21	: :0776 :(:	: 0876 :			• • •		: :1016E.H-NUM-ESTIMATE- HTTR (ORCAN)XMEN(2)X1/14.5.
379	-		. 12	: 0776	: 0876 :	• •• ••	• •• ••	• •• •• •	. 629	:IOT6E.M-NUM-ESTIMATE- TOTAL LABOR HRX(PAHIC FR/TOTAL GP B FR)X. DIRECT :LABOR-2.1RR & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR = 2.2HR.
379	-	m 	21	: 0776	: 0876		· · · · ·		1.430 :	:IOTSE. M-NUM-ESTINATE-TOTAL LABOR HRX(PABIC FR/TOTAL GP B FR)Z. DIRECT:LABOR -8.9 & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR9HR.
379 :	-		. 12	: 0776	: 0876			· ··	. 087	: :IOT&E.M-NUM-ESTIMATE= HTTR (ORCAN)XMEN(2) X 1/14.5.

MAINTAINABILITY DATA BY CATEGORY

CATECORY	2		RADAR	e,					DATA TYPE	<u>دع</u>	FLI	FLICHT/FIELD TEST
EQUIP ID	PRO	PROG:MAINT: EQ :START: PHASE:PARAM:TYPE: DATE:	50 : ST		END : PAUL DATE: DETE		T : FALSE: CT: ALARH:		FAULT ISOLATE 1 LRU: X:LRUS	: MAINT : SAMPLE : NUMERIC: SIZE	SAMPLE	REMARKS
380	-		 12 : 0776	76 : 0876	376				 	.370		: :IOT&E.M-NUM-ESTIMATE- TOTAL LABOR HRX(ACPPI FR/TOTAL GP B FR)X. DIRECT :LABOR -2HR & BASED ON MAIN ACTIONS. INDIRECT LABOR = 2.2HR.
380	-		 : 12 :0776 :	76 : 0876 :	376 : :			•• •• ••		265		::OT&E.M-NUM-ESTIMATE SEE SEQ#1. DIRECT LABOR-2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = .9HR.
	-	47	 : 12 :07	: 0776 : 0876	92 376 ::	-· ·· ·		•• •• •		: : .051 :		: :IOT&E.M-NUM-ESTIMATE= MTTR (ORGAN) XMEN(2) X 1/14.5.
381			 1 :07	: 0776 : 0876 : :	. 978	- •• ••		• •• ••	· ·· ··	071	• •• ••	:IOTSE.M-NUM-ESTIMATE-TOTAL LABOR HRX(LU FR/ TOTAL GP B FR)%. DIRECT :LABOR =2.5 & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
381	-		 1 :07	: 0776	 376 :			** ** **		082		: :IOTGE.M-NUM-ESTIMATE= SEE SEQ #1. DIRECT LABOR =4.5 HR & BASED ON MAINT :ACTIONS. INDIRECT LABOR = .9HR.
381		: 14	 1 :07	: 0776 : 0876	376			•• ••	·· ··	. 010		:IOT&E.M-NUM-ESTIMATE-MTTR (ORGAN) XMEN(2) X 1/14.5.
382	-		 	: 0776 : 0876	376 : :					612		:1016E.5.4.4HR DIRECT LABOR.INDIRECT LABOR FOR MATURE/IDEAL BIT = 1.7/1HR: HTTR IS EST.DIRECT LABOR BASED ON 6 MAIN ACTIONS.IDEAL BIT MITR EST=.552:
382	-		 . 6	: : : : : : : : : : : : : : : : : : :	376 :	+• •• ·		** ** **	•• •• ••	328		: :IOT&E.DIRECT LABOR HR =2.9,INDIRECT=.9.MTTR IS AN ESTIMATE=TOTAL LABOR :HR X(HAWC FR/TOTAL GP B FR)X.
382			 9 :07	: 0776 : 0876	376 :	•• •		•• •• •		084		: :IOT6E.ESTIMATED VALUES-MTTR (ORGAN)XMEN(2)XI/14.5.IDEAL BIT M-NUM076
383	-		 3:07	: 0776 : 0876				• •• ••	• •• ••	053		:EST NUMERIC FROM OTHER MAINTENANCE ACTIONS DURING IOT&E.BASED ON EST OF
383	-		 3 :07	: 0776 : 0876	376 : :	·· ·· ·· ·		• • • •		087		FET NUMBRIC FROM OTHER MAIN ACTIONS DURING IOTAE.ASSUMES BIT TO IDENTIFY: FAILURE. MITR EST - 066HR FOR BIT TO ISOLATE TO LRU.3.1 DIR 6 2.3/1 INDIR:
383	-	 1	 3 :0776 :	76 : 0876 :	. 976 	·· ·· ·· ··				012		GCAN LVL MITR X 2 MEN X 1/14.5 FOR NATURE BIT;.009HR FOR IDEAL BIT. HITTR EST DURING IOT&E.

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MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATECORY

MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATECORY

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MAINTAINABILITY DATA BY CATEGORY

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MAINTAINABILITY DATA BY CATECORY

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155 : 2 : 2			•••					: 2.000 :			•••
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HAINTAINABILITY DATA BY CATEGORY

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EQUIPMENT DATA

SECTION 5

PROGRAM/CONTRACT
CHARACTERIZATION DATA

PROGRAM/CONTRACT CHARACTERIZATION DATA

Section 5 contains detailed listings of program and contract related data contained in the RCM automated database. Included are the following types of data, when known:

Equipment Identification Numbers

Contractor

Procuring Agency

Using Command

Design Year

Procurement Level

Application

Mission Length

Type of Contract

Procurement Type

R- Financial Data

Procurement Approach

R&M Program Elements

R&M Analysis and Predictions

R&M Numerics

Design Reviews

Failure Reporting/Corrective Action

R&M Demonstration

Design Analysis

Development Tests

Production Inspections

Entries in this section are organized by Equipment Identification Number.

A complete description of the types of data that are considered when characterizing a program may be found in the Usage Guide, pages 5-3 to 5-9.

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USAGE GUIDE

The descriptions below apply to the computer listings in this section. The data presented are the types of data that are considered when characterizing a program.

Contract No.: This field is masked for this publication.

System Nomenclature:

Subsystem Nomenclature:

Set Nomenclature:

Group Nomenclature: "

Unit Nomenclature:

Prime Contractor: "

SALES AND AND AND ASSESSMENT OF THE PARTY OF

Procuring Agency: Indicates the agency that awarded

the contract.

Using Command: Indicates the command wherein the

equipment will be deployed.

Procurement Level: Lists the appropriate level of

the equipment hardware to be delivered under the contract.

The levels considered are:

System

Subsystem

Set Group Unit

Application:

The type of operational application environment. The applications considered are:

Space Aircraft Ground Shipboard Other

Mission Length:

The normal equipment operational mission length. The mission lengths considered are:

Continuous
>8 hours
1≤hour ≤8
<1 hour
Undefined

Life Cycle:

Lists all applicable life cycle phases covered by the contract, and the date of implementation of each respective phase. The phases considered are:

Concept
Validation
Development
Production
Deployment

Contract Type:

Lists the basic financial structure of the contract. The structures considered are:

Design to Cost
Reliability Warranty
Cost plus Fixed Fee
Cost plus Incentive Fee
Firm Fixed Price
Fixed Price plus Incentive Fee

Procurement Type:

Lists the principal type of procurement being made. The types considered are:

Existing Design (followon/minimum changes)

Modified Design (substantial changes)

New Design

Equipment Maintenance Only (contractor maintenance of

fielded equipment)

Reliability Financial Posture:

Lists any reliability financial posture. The areas considered are:

Incentive Award
Reliability Effort >5 per cent of
 total budget
Reliability Effort <5 per cent of
 total budget
Not Determined</pre>

Procurement Approach:

Indicates the approach used in procuring equipment. The approaches considered are:

Low Bidder

Minimum Total Life Cycle Cost Minimum Maintenance Support Cost Technological

R&M Program:

Identifies each required R&M specification, its applicable revision letter, and the extent to which it is specified. The specifications considered are:

MIL-STD-470

MIL-STD-471

MIL-HDBK-472

MIL-STD-756

MIL-STD-781

MIL-STD-785

MIL-HDBK-217

RADC Notebook, Volume II

The applicable compliance codes considered are:

Contractual: full compliance required to each and every detail of the document

Limited: specific deviations from the document are stated and allowed

Guide: specific compliance is not required; however, actions are to be patterned after the document

Not Applicable: not specified

R&M Analysis and Predictions:

Indicates all of the R&M analyses performed. The types of analyses considered are:

-R analysis and prediction per MIL-STD-756/Parts Stress Analysis -M analysis and prediction per MIL-HDBK-472. Also listed is the

method number

- -R analysis and prediction based upon documentation other than MIL-STD-756/Parts Count (Example: MIL-HDBK-217, Section 3)
- -Other formal M based upon documentation other than MIL-HDBK-472
 -Informal R analysis and prediction based upon similarity or function. Limited documentation requirements.
- -Informal M analysis and prediction based upon similarity or function. Limited documentation requirements.
- -No R or M analysis or prediction required.

R&M Numerics:

Indicates the applicability of the R&M numerics. The levels considered are:

Contractual reliability (MTBF, R, A, etc.)

Contractual maintainability (MCT, (MTTR, MMH/FH, etc.)

Reliability stated as design goal only Maintainability stated as design goal only No reliability or maintainability requirement

Design Reviews:

Lists the frequency and formality of required design reviews. The types considered are:

Two or more formal design reviews required

One formal design review required

Informal reviews only

No requirement

Failure Reporting/Corrective Action:

The state of the s

Lists the extent of required reporting procedures. The types considered are:

Formal failure reporting and closed loop (Corrective Action System required)

Formal failure reporting system (no closed loop corrective action system)

Informal failure reporting system (minimum documentation required)

No requirement

R&M Demonstration:

Indicates the R&M demonstration requirements. The requirements considered are:

Formal R demonstration test requirements in accordance with MIL-STD-781. Also listed are the test plan and test level.

Formal M demonstration test requirements in accordance with MIL-STD-471. Also listed is test method.

Other R demonstration test requirements

Other M demonstration test requirements

No requirement

Design Analysis:

The second secon

Indicates all of the applicable types of design analyses specifically required by the contract. The analyses considered are:

FMEA/FMECA
Fault Tree Analysis
Worst-Case Electrical Design
Analysis
Thermal Analysis
Other

Development Tests:

Indicates all of the R&M tests required during the development phase. The tests considered are:

Design qualification tests
Environmental qualification
tests
R growth tests
Competitive fly-off

Production Inspection:

Indicates all contractually specified inspection methodology(ies). The methodologies considered are:

Sample incoming inspection
100 per cent acceptance test
Process screening
R verification per MIL-STD781

RECORD ID'S 1 THRU 173
CONTRACTOR C0044
PESIGN YEAR 70
PROCUREMENT LEVEL SYSTEM
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PROCUREMENT TYPE NEW DESIGN

RAM PROGRAM ELEMENTS REVISION APPLICABILITY MIL-STD-470 CONTRACTURAL MIL-STD-471 CONTRACTURAL CONTRACTURAL MIL-HDBK-472 MIL-STD-756 LIMITED MIL-STD-781 CONTRACTURAL MIL-HDBK-217 CUIDE RADC NOTEBOOK CUIDE

R&M ANALYSIS & PREDICTIONS R-756 PART STRESS PREDICTION M-472 PROCEDURE

R&M NUMERICS CONTRACT MTBF CONTRACT MTTR

DESIGN REVIEWS >= 2 FORMAL

FAILURE REPORTING / CORRECTIVE ACTION FORMAL FRACAS REC'T

R/M PEMONSTRATION

R-781 TEST PLAN 03 LEVEL E M-471 TEST METHOD 2

DESIGN ANALYSIS FMEA/FMECA

DEVELOPMENT TESTS
RELIABILITY GROWTH

PRODUCTION INSPECTION ACCEPTANCE TEST

RECORD ID'S 174 THRU 197 CONTRACTOR 00317 PROCURING AGENCY ESD DESIGN YEAR 73 PROCUREMENT LEVEL SYSTEM APPLICATION GROUND MISSION LENCTH **CONTINUOUS** PROCUREMENT TYPE NEW DESIGN

R&M PROGRAM ELEMENTS REVISION APPLICABILITY
MIL-STD-470 CONTRACTURAL
MIL-STD-471 CONTRACTURAL
MIL-HDBK-472 CONTRACTURAL
MIL-STD-781 CONTRACTURAL
HIL-STD-785 CONTRACTURAL
RADC NOTEBOOK CONTRACTURAL

R6M ANALYSIS 6 PREDICTIONS R-756 PART STRESS PREDICTION M-472 PROCEDURE

R&M NUMERICS CONTRACT MTBF CONTRACT MTTR

DESIGN REVIEWS >= 2 FORMAL

RECORD ID'S 198 THRU 201 CONTRACTOR 00071 APPLICATION AIRCRAFT TYPE OF CONTRACT RIW PROCUREMENT TYPE FOULP. MAINT. PROCUREMENT LEVEL SET 202 RECORD ID'S 00147 CONTRACTOR RADC PROCURING ACENCY PROCUREMENT LEVEL SET APPLICATION GROUND MISSION LENCTH CONTINUOUS

R&N PROCRAM FLEMENTS REVISION APPLICABILITY
MIL-STD-781 A CONTRACTURAL
RAPC NOTEBOOK GUIDE

R/M DEMONSTRATION

PROCUREMENT APPROACH

R-781 TEST PLAN 4A LEVEL

RECORD ID'S 203 THRU 329,407 THRU 412 CONTRACTOR 00477 PROCUPING AGENCY USAF USING COMMAND TAC DESIGN YEAR 70 PROCUREMENT LEVEL SYSTEM APPLICATION AIRCRAFT PROCUREMENT TYPE NEW DESIGN NOT DETERMINED R FINANCIAL POSTURE

PART PROCRAM ELEMENTS PEVISION APPLICABILITY
MIL-STD-756 CUIDE
MIL-STD-781 E CONTRACTURAL

MIL-STD-785 CONTRACTURAL
MIL-HDBK-217 GUIDE
RADC NOTEBOOK CUIDE

TECHNOLOGICAL

R&M ANALYSIS & PREDICTIONS R-756 PART STRESS PREDICTION R PARTS COUNT OTHER FORMAL M

R&M NUMERICS CONTRACT MTBF

PESICN REVIEWS >= 2 FORMAL

FAILURE REPORTING / CORRECTIVE ACTION FORMAL REPORT ONLY

R/M DEMONSTRATION R-781 TEST PLAN 3F LEVEL X

DESIGN ANALYSIS FMFA/FMECA THERMAL

The state of the s

DEVELOPMENT TESTS
PESIGN QUALIFICATION

PRODUCTION INSPECTION SAMPLE INSPECTION ACCEPTANCE TEST PROCESS SCREENING 781 PRVT **********************************

PECORD ID'S 423 THRU 427 CONTRACTOR 00835 PROCURING AGENCY USAF TISTING COMMAND PROCURFMENT LEVEL SET APPLICATION AIRCRAFT PECORD ID'S 330 THRU 336 CONTRACTOR 00207 PROCURING AGENCY USAF USING COMMAND TAC PROCUREMENT LEVEL SET APPLICATION AIRCRAFT

R&M PROGRAM FLEMENTS REVISION APPLICABILITY
MIL-STD-781 B LIMITED
MIL-STD-785 A LIMITED
MIL-HDBK-217 A LIMITED
RADC NOTEBOOK

P&M ANALYSIS & PREDICTIONS R PARTS COUNT

P&M NUMERICS CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION FORMAL REPORT ONLY

P/M PEMONSTRATION

R-781

TEST PLAN 03 LEVEL F

PESIGN ANALYSIS
THERMAL

DEVELOPMENT TESTS ENVIRONMENTAL QUALIFICATION

RECORD ID'S 337 THRU 340 CONTRACTOR 00071 PROCURING AGENCY ASD USING COMMAND VARIOUS PESION YEAR 72 PROCUREMENT LEVEL SET APPLICATION AIRCRAFT MISSION LENGTH I TO 8 HRS. PROCUREMENT TYPE NEW DESIGN PROCUPEMENT APPROACH MINIMUM LCC

P6M PROCRAM ELEMENTS REVISION APPLICABILITY
MIL-STD-471 B CONTRACTURAL
RADC NOTEBOOK CONTRACTURAL

R&M ANALYSIS & PREDICTIONS R-756 PART STRESS PREDICTION M-472 PROCEDURE

R&M NUMERICS CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION FORMAL FRACAS REQ'T

R/M DEMONSTRATION

R-781

TEST PLAN 26 LEVEL E

DEVELOPMENT TESTS
DESIGN QUALIFICATION
ENVIRONMENTAL QUALIFICATION
RELIABILITY GROWTH

RECORD ID'S 347 THRU 350 CONTRACTOR 00324 PROCURING AGENCY ASD USING COMMAND **VARIOUS** DESIGN YEAR 72 PROCUREMENT LEVEL SET APPLICATION AIRCRAFT MISSION LENGTH I TO P HRS. PROCUREMENT TYPE NEW DESIGN PROCUREN'ENT APPROACH MINIMUM LCC

REM PROGRAM ELEMENTS REVISION APPLICABILITY

MIL-STD-781

R&P ANALYSIS & PREDICTIONS R-756 PART STRESS PREDICTION M-472 PROCEDURE

R&M NUMERICS CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION FORMAL FRACAS REC'T

P/M DEMONSTRATION

R-781 TEST PLAN 26 LEVEL E

DEVELOPMENT TESTS DESIGN CUALIFICATION FNVIRONMENTAL QUALIFICATION . RFLIABILITY GROWTH

RECORD ID'S 413 THRU 419 CONTRACTOR 00869 PROCURING AGENCY USAF USING COMMAND TAC DESIGN YEAR 73 PROCUREMENT LEVEL SYSTEM APPLICATION AIRCRAFT

RECORD ID'S 351 THRU 362,3\$1A,352A,356A,357A,360A CONTRACTOR 00207 PROCURING AGENCY ASD VARIOUS USING COMMAND DESIGN YEAR PROCUREMENT LEVEL 72 SET APPLICATION AIRCRAFT MISSION LENCTH 1 TO 8 HRS. PROCUREMENT TYPE NEW DESIGN PROCUREMENT APPROACH MINIMUM LCC

R&M PROGRAM ELEMENTS REVISION APPLICABILITY MIL-STD-471 CONTRACTURAL MIL-STD-781 CONTRACTURAL RADC NOTEBOOK CONTRACTURAL

R&M ANALYSIS & PREDICTIONS R-756 PART STRESS PREDICTION M-472 PROCEDURE

R&M NUMERICS CONTRACT MTBF

PAILURE REPORTING / CORRECTIVE ACTION FORMAL FRACAS REQ'T

R/M DEMONSTRATION

R-781 TEST PLAN 26 LEVEL 2

DEVELOPMENT TESTS DESIGN QUALIFICATION ENVIRONMENTAL QUALIFICATION RELIABILITY GROWTH

RECORD ID'S 363 THRU 373 CONTRACTOR 00160 PROCURING AGENCY AFLC DESIGN YEAR PROCUREMENT LEVEL UNIT/COMPONENT

APPLICATION AIRCRAFT

R&M PROCRAM FLEMENTS REVISION APPLICABILITY MIL-STD-781 В CONTRACTURAL

R&M NUMERICS CONTRACT MTBF

R/M DEMONSTRATION

TEST PLAN 29 LEVEL E R-781

PRODUCTION INSPECTION 781 PRVT

RECORD ID'S 374 THRU 381 CONTRACTOR 00781 PROCURING AGENCY AFLC DESIGN YEAR PROCUREMENT LEVEL UNIT/COMPONENT

APPLICATION AIRCRAFT

REVISION APPLICABILITY R&M PROGRAM ELEMENTS MIL-STD-781 CONTRACTURAL

R&M NUMERICS CONTRACT MTBF

R/M DEMONSTRATION

TEST PLAN 29 LEVEL E

PRODUCTION INSPECTION 781 PRVT

RECORD ID'S 382 00409 CONTRACTOR PROCURING AGENCY AFLC PROCUREMENT LEVEL

UNIT/COMPONENT AIRCRAFT APPLICATION 1 TO 8 HRS. MISSION LENGTH

R&M PROCRAM ELEMENTS REVISION APPLICABILITY MIL-STD-781 В CONTRACTURAL

PAM NUMERICS CONTRACT MTBF

R/M DEMONSTRATION TEST PLAN 29 LEVEL E

RECORD ID'S 383 CONTRACTOR 00160 PROCURING AGENCY AFLC DESIGN YEAR

PROCUREMENT LEVEL UNIT/COMPONENT AIRCRAFT APPLICATION MISSION LENGTH 1 TO 8 HRS.

RAM PROGRAM ELEMENTS REVISION APPLICABILITY MIL-STD-781 CONTRACTURAL

RAM NUMERICS CONTRACT HTBF

R/M DEMONSTRATION TEST PLAN 29 LEVEL E R-781

CONTRACTURAL

RECORD ID'S 384 THRU 387 CONTRACTOR 00838 PROCURING AGENCY
USING COMMAND USAF AFSC/ASD PROCUREMENT LEVEL SET APPLICATION AIRCRAFT MISSION LENGTH TYPE OF CONTRACT >8 HRS. RTU PROCUREMENT TYPE NEW DESIGN P FINANCIAL POSTURE R INCENTIVE AWARD PROCUREMENT APPROACH TECHNOLOGICAL

R&M PROGRAM ELEMENTS REVISION APPLICABILITY MIL-HDBK-217

R&M ANALYSIS & PREDICTIONS R-756 PART STRESS PREDICTION

R&M NUMERICS CONTRACT MTBF

DEVELOPMENT TESTS

FLYOFF

388 THRU 390 RECORD ID'S CONTRACTOR 00071 PROCUREMENT LEVEL SET APPLICATION CROUND

RECORD ID'S 397 THRU 402.397A THRU 402A CONTRACTOR 00409 PROCURING AGENCY NA VY 68 DESIGN YEAR PROCUREMENT LEVEL SET APPLICATION AIRCRAFT

PRODUCTION INSPECTION

781 PRVT

RECORD ID'S 403 THRU 406 CONTRACTOR 00345 PROCURING AGENCY NA VY DESIGN YEAR 72 PROCUREMENT LEVEL SET APPLICATION SHIPBOARD

R&M PROGRAM ELEMENTS REVISION APPLICABILITY MIL-STD-781 CONTRACTURAL 428 THRU 439 RECORD ID'S CONTRACTOR 00489 DESIGN YEAR 73 PROCUREMENT LEVEL SET AIRCRAFT APPLICATION MISSION LENCTH 1 TO 8 HRS. TYPE OF CONTRACT CPIF PROCUREMENT TYPE NEW DESIGN

R&M PROCRAM FLEMENTS REVISION APPLICABILITY
MIL-STD-470 - GUIDE
MIL-STD-471 - CONTRACTURAL
MIL-HDRK-472 CONTRACTURAL
MIL-STD-781 B CONTRACTURAL
MIL-STD-785 A GUIDE
RADC NOTEBOOK - LIMITED

P6M ANALYSIS & PREDICTIONS
R-756 PART STRESS PREDICTION
M-472 PROCEDURE 3

R&M NUMERICS CONTRACT MTBF CONTRACT MTTR

DESIGN REVIEWS >= 2 FORMAL

FAILURE REPORTING / CORRECTIVE ACTION FORMAL FRACAS REO'T

R/M DEMONSTRATION
R-781 TEST PLAN 02 LEVEL F
H DEMO REQUIREMENTS

DESIGN ANALYSIS FMEA/FMECA THERMAL

A CONTRACT OF THE PROPERTY OF

DEVELOPMENT TESTS
DESIGN QUALIFICATION
ENVIRONMENTAL QUALIFICATION

PRODUCTION INSPECTION ACCEPTANCE TEST

EQUIPMENT DATA

SECTION 6

EQUIPMENT CHARACTERIZATION DATA

EQUIPMENT CHARACTERIZATION DATA

Section 6 contains detailed listings of equipment related data contained in the RCM automated database. Included are the following types of data, when known:

Equipment Identification Numbers

Equipment Category

Design Year

Mission Length

Application

Equipment Type

Design Approach

Design Technology

Major Parameters

Fault Tolerance Techniques

Part Derating Guidelines

Part Quality/Screen Class Employed

Type of Cooling

Self-Test Capability

Self-Test Implementation

Diagnostic and Replacement Level

Fault Control Techniques

Maintenance Concept

Mission Criticality

Applicable Maintenance Echelons and Skill Level

Equipment Complexity

Entries in this section are organized by Equipment Identification Number.

A complete description of the types of data that are considered when characterizing an equipment may be found in the Usage Guide, pages 6-3 to 6-10.

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USAGE GUIDE

The descriptions below apply to the computer listings in this section. The data presented are the types of data that are considered when characterizing an equipment.

Contract No.:

This field is masked for this

publication.

System Nomenclature:

Subsystem Nomenclature:

Set Nomenclature:

11

Group Nomenclature:

Unit Nomenclature:

**

Equipment Cateogry:

Denotes the General functional purpose of the overall equipment as ususally defined at the Set equipment level. The categories considered are:

- 01 Computer
- 02 Controls/Displays
- 03 ECM/EW
- 04 Guidance/Navigation
- 05 Test Equipment
- 06 Radar
- 07 Software
- 08 Weapons
- 09 Communications
- 10 Sonar
- 11 Other

Design Year:

The vintage year of the equipment.

Mission Length:

The normal equipment operational mission length. The mission lengths considered are:

Continuous
>8 hours
1≤hour ≤8
<1 hour
Undefined

Work Unit Code:

A code assigned by the using command that locates the equipment within a given system hierarchy. This field is masked for publication.

Manufacturer:

The manufacturer of the equipment. This field is masked for publication.

Proprietary Code:

A code that identifies the level of sensitivity of the data. This field is masked for this publication.

Design Approach:

The applicable approaches to a design are selected from Table 6-1. Each category has its unique set of approaches.

Design Technology:

The applicable technologies employed on design are selected from Table 6-2. Each category has its unique set of technologies.

Major Parameters:

The applicable parameters of a design are entered. Each category has its unique set of parameters. These categories are selected from Table 6-3.

Equipment Type:

The second of the second second second second second second second second second second second second second se

Denotes the specific functional purpose of the type of equipment as usually defined at the Group or Unit equipment level. The equipment types considered are:

- 01 Power Supply
- 02 Transmitter
- 03 Receiver
- 04 Transceiver
- 05 Antenna
- 06 Amplifier, Audio
- 07 Amplifier, RF
- 08 Amplifier, Video
- 09 Computer
- 10 Memory
- 11 I/O Device
- 12 Indicator/Control
- 13 Modulator/Demodulator
- 14 Coder/Decoder
- 15 Multiplexer/Demultiplexer
- 16 Interconnection/Distribution
- 17 Converter D/A or A/D

- 18 Filter
- 19 Inertial Reference
- 20 Stellar Reference
- 21 Frequency/Timing Generator
- 22 Cooling/Pressurizing
- 23 Test Circuitry
- 24 Alarm
- 25 Signal/Data Processor
- 26 Miscellaneous
- 27 Transducer

Application:

The type of operational application environment. The applications considered are:

Space

Aircraft

Ground

Shipboard

Other

Fault Tolerance:

Indicates the methodologies employed to alleviate the consequences of failure. The fault tolerance methods considered are:

Redundant Channels or Equipment Graceful Degradation Degraded Modes of Operation

.

None

Part Derating Guidelines:

Indicates the level of stress derating employed in the equipment design. The levels considered are:

High Reliability
Intermediate ("stress" derating practices less stringent than those employed on high-reliability designs but more stringent than commercial design practices)
Commercial Design Standards

Part Quality Grade/Screen Class:

All levels of quality assurance provisions applicable to part procurements for this design are indicated. The levels considered are:

JANTXV-grade semiconductors and
JAN 38510 ICs

JANTX-grade semiconductors and
IL-STD-883 screened ICs

JAN-grade semiconductors and
hermetically sealed ICs

Commercial grade semiconductors

Type of Cooling:

The second secon

Lists the type of cooling employed in the design. The types of cooling considered are:

and plastic encapsulated ICs

Ambient air (normal convection)
Forced air (fan)
Liquid
Other

Self Test Capability:

The highest applicable level of self test technology employed in the design is listed. The levels considered are:

Automated BIT
Semiautomated BIT
Manual BIT
None

Diagnose To/Replacement Level:

Lists the lowest functional level to which a failure or malfunction is capable of being diagnosed and the defective item replaced. The levels considered are:

Equipment
Unit (LRU/PRU)
Assembly (SRU)
Piece Part

Self-Test Implementation:

Indicates the hardware techniques employed in the implementation of self-test in the design. The techniques considered are:

General Purpose Computer
BIT Microprocessor
Software Controlled
Hardware Controlled
Automated Printout
Manually Read Panel Indicators

Fault Control Techniques:

Indicates each of the recovery techniques used to initiate fault control in the equipment and the methodology used in implementing each of the techniques. The techniques considered are:

Automated On-Line Automated Off-Line Manual None

The applicable recovery techniques are:

Reconfiguration Fault Isolation Fault Detection

Maintenance Concept:

The second secon

Indicates the nature of the maintenance concept employed by noting both the level of maintenance activity and the extent of repair performed at each level. The maintenance levels considered are:

No Mai. tenance
Throw-away Maintenance
In-flight or Suborganizational
Maintenance
Organizational or Flight Line
Intermediate or Shop Level
Depot or Plant Level

The repair levels considered are:

Remove and Replace Minor Repairs Major Repairs None

Mission Criticality:

A measure of the indispensability of the equipment or the function performed by the equipment. It may be defined from the standpoints of mission critical, safety critical, poor historical reliability or high cost. The levels considered are:

High Medium Low

Complexity:

A measure of the complexity of the equipment. Quantities of the following categories are presented.

Total number of parts

Number of different generic part

types

Total number of active elements

Number of tubes

Number of discrete semiconductors

Number of hybrids

Number of monolithic linear/
interface ICs

Number of SSI/MSI digital ICs

Number of LSI/memory ICs Number of microprocessors

6-10

Table 6-1 DESIGN APPROACH

Weapons	Test Equipment	Computer Software	Controls/ Display	Radar	Communications	Computer	ECM/EW	Guidance and Navigation
Conventional	Radar	Firmware	Alphanumeric	Surveillance/	Telephone	Serial	Multimode Capability	Landing System
Nuclear	Communication	Software	Keyboard	Seal Cil	Telegraph/	Parallel		Space Position
Веаш	Computer	Microprogram	Entry Multicolon	racking Cide Looking	e lex	Multipro-	× 0	VOR/DME
Nuclear	ECM/EW		Tatoractivo	Side Looking	Kdd10	DMA Channel	Fred Cran	TACAN
Hardened	Controls/ Displays	-	Graphic	Following/ Avoidance	munication/ WOCODE	Parity	Optical	Infrared
Hardened	Gui dance/		Head Up	FLIR	TV/Video	Checking	Acoustic	Laser
Active Target	Navigation		Manual	Laser	Digital	Error Correction		Radio
Tracking	Weapon		Non-Inter-	Precísion	Data	Cache Memory		Autopilot
Terrain	Sonar		active	Approach	Audio/Voice	201 500		Loran or Omega
Following	Software		Automatic	ECCM	Transponder/	All & 10.5		Geographic
	General	•	Control	Multichannel/	L.	1031610		
	Purpose		Open Loop	Multifreq-	Facsimile	General		Acoustic
			Secure	uericy p1	Transceiver	acod in 1		Attitude
			Control	pression	Direction			
		-	Display	Doppler			7	
			Closed Loop	Fire Control	Receiver			
					Transmitter			
						•		

Table 6-2 TECHNOLOGY

Guidance and Navigation	Mode Inertial Stellar Doppler Dead Reckoning Radio (B) Mechanization Gimbaled Strapdown
CM/EW	R. Output Jevice TWT Magnetron Cross Field Amplifier Klystron Twystron Grided Tube Solid State
Computer	External Magnetic Drum Magnetic Cassette Tape Magnetic Cases Fis Sette Tape Magnetic Tape Magnetic Tape Floppy Disc Floppy Disc Floppy Disc Raystron Magnetic Raystron Magnetic Raystron Magnetic Raystron Magnetic Raystron Magnetic Buble Semiconductor Hardwire
Communications	PF Output Device TWT Grided Tube Solid State Laser (B) Modulation AM FM CW CW CW CW SSB FSK (C) Transmission Mode Full Duplex Half Duplex Simplex Wide Band Narrow Band
Radar	RF Output Device TWT Magnetron Cross Field Amp Klystron Twystron Grided Tube Solid State (B) Antenna Type Continuously Rotating Oscillating Electron- ically Steerable
Controls/ Display	Input/Output Medium CRT Projection Mechanical Optoelectronic Flat Panel Meter Printer Light Pen SERVO Acoustic/Audio Electrome- chanical
Computer Software	Modern Programming Practices Conventional Programming Higher Order Language Assembly Language Structured Code
Test Equipment	Digital Analog Portable Manual Automated Semi- automated Universal
Weapons	(A) Infrared Laser IV Wire Ballistic (B) Activation Method Impact Altitude Proximity Radio

Guidance and Navigation	Position Accuracy (Ft) Range (Miles) Way Points Destinations Velocity Accuracy (Ft/Sec) Height Accuracy (Ft) Heading Accuracy (Ft) Frequency Band
ECM/EW	Freq Band Range (Miles) Peak RF Power (w) Avg RF Power (w)
Computer	Clock Freq (hz) Freq Band Word Length Range (Mi (char) (words) (words) Interrupt Levels No of Busses No of Regis- ters No of Accumu- lators No of Input Ports ''o of Output Ports
Communications	Freq Band Range (Miles) Peak RF Power (w) Simultaneous Channel Width (hz) Receiver Sensitivity (uv) Digital Data Rate (Max) (BAUD) Orgital Data Rate (Min) (BAUD) Orgital Data Rate (Min) Uselectable/ Preset Trans- mit Freq
Radar	Freq Band Detection Range (Miles) Peak RF Power (w) Avg RF Power (w) Az Coverage/ Angle (Deg) Scan Rate (/Min) Folarization Beam Width (Deg) Torget Size (sqm) Antenna Gain (DB)
Controls/ Display	Resolution (L/In) No of Character Lines Refresh (/Sec) Operating Speed (L/Min) Number of Keys Display Area Area (Sq In) No of Characters/Line No of Controls Accuracy (PPM)
Computer Software	No of Object Instructions Database Size (Words) No of Program Modules
Test Equipment	Freq Band Freq Accuracy (ppm) No of Tests
Weapons	Accuracy (Ft) Range (Miles)

ALL CATEGORIES
Weight (1bs)
Volume (cu ft)
No of Modules

Power Consumption (w)

EQUIPMENT ID 1
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 RRS.
PART DEBATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

The second of th

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE
DEPOT
MAJOR REPAIR
MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON SKILL LEVEL PERSONNEL

ORGANIZATION 3
INTERMEDIATE 3

EQUIPMENT ID 2
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 AZ COVERAGE/ANGLE (DEG)
 006.0

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLICHT MAINTENANCE REMOVE & REPLACE REMOVE & REPLACE NONE NONE MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON SKILL LEVEL PERSONNEL

ORGANIZATION 3 70%

INTERMEDIATE 3 30%

COMPLEXITY
TOTAL NUMBER OF PARTS 71883

ACTIVE ELEMENT COUNT
SSI/MSI DIGITAL ICS 24030

EQUIPMENT ID 3
EQUIPMENT CATEGORY EADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
FART DERATING CUIDELINES INTERMEDIATE
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE FREQ BAND 25000 PRF (HZ) SCAN RATE (/MIN) 006.0 WEIGHT (LBS)
VOLUME (CU. FT.) 00040 2.0E0 NO. OF MODULES 00001 HEIGHT (IN) 00048 WIDTH (IN) 00030 DEPTH (IN) 00018

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

MINOR REPAIR REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

COOLING/PRESSURIZEING

DESIGN YEAR

APPLICATION

MISSION LENGTH

PART DEBATING GUIDELINES

MISSION CRITICALITY

4

COOLING/PRESSURIZEING

AIRCRAFT

MISSION LENGTH

18

4

AIRCRAFT

MISSION CRITICALITY

HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLED

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE
FREQ BAND S
FRF (Hz) 25000
SCAN RATE (/MIN) 006.0

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

EQUIPMENT ID 5
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HITEMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 01210

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

TYPE OF COOLING

DEPOT

Alleger and the second of the

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
MANUAL FAULT DETECTION
RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR

MAINTENANCE ECHELONS
ECHELON SKILL LEVEL PERSONNEL
ORGANIZATION 3 90%

MAJOR REPAIR

EQUIPMENT ID 6
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES
MISSION CRITICALITY HICH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

FAULT TOLERANCE GRACEFUL DEGRADATION

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 7
EQUIPMENT CATEGORY BADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00101
HEIGHT (IN)	00036
WIDTH (IN)	00024
DEPTH (IN)	00010

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN PLIGHT MAINTENANCE ORGANIZATIONAL

ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE MINOR REPAIR DEPOT MAJOR REPAIR

MOME

EQUIPMENT ID 8
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN TEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 RRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TEACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00216

 HEIGHT (IN)
 00024

 WIDTH (IN)
 00036

 DEPTH (IN)
 00015

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL
RECONFIGURATION

HAINTENANCE CONCEPT IN PLIGHT MAINTENANCE ORGANIZATIONAL INTERNEDIATE

REMOVE & REPLACE REMOVE & REPLACE HIMOR REPAIR MAJOR REPAIR EQUIPMENT ID EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE RECEIVER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HICH

DESIGN APPROACH SUR VEILLANCE/SEARCH TRACKING ECCM MULTICHANNEL/MULTIFREQUENCY DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

VALUE MAJOR PARAMETERS FREQ BAND 25000 PRF (HZ) SCAN RATE (/MIN) 006.0 WEIGHT (LBS)
VOLUME (CU. FT.) 00068 7.0E0 HEIGHT (IN) 00024 00024 WIDTH (IN) DEPTH (IN) 00021 POWER CONSUMPTION (W) 2.0E2

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING LIQUID

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

Service of the servic

AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 10 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE COMPUTER DESIGN YEAR APPLICATION 70 ATRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH SURVEILLANCE/SEARCH TRACKING ECCM MULTICEANNEL/HULTIFREQUENCY DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

VALUE MAJOR PARAMETERS FREQ BAND PRF (HZ) SCAN RATE (/MIN) 25000 006.0

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION RECONFIGURATION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE **ORGANIZATIONAL** INTERMEDIATE DEPOT

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 11 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE COMPUTER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCH
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY

KLYSTRON

CONTINUOUSLY ROTATING

ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 FRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00196

 VOLUME (CU- FT-)
 7-9EO

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECOMPIGURATION
AUTOMATED OFF LINE RECOMPIGURATION
MANUAL RECOMPIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR EQUIPMENT ID 12
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HES.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 FPEF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00205

 VOLUME (CU. FT.)
 7.920

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR EQUIPMENT ID 13 EQUIPMENT CATEGORY RADAR DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH SUR VEILLANCE/SEARCH TRACKING MULTICHANNEL/MULTIFREQUENCY DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE FREQ BAND PRF (HZ) 25000 SCAN RATE (/MIN) 006.0

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 14 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE RECEIVER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH SUR VEILLANCE/SEARCH TRACKING ECCM MULTICHANNEL/MULTIFREQUENCY DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE FREQ BAND PRF (HZ) 25000 SCAN RATE (/MIN) 006.0 WEIGHT (LBS) 00156 VOLUME (CU. FT.) 5.5E0

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT COPTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE REMOVE & REPLACE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE MINOR REPAIR DEPOT

MAJOR REPAIR

EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

FREQ/TIMING GENERATOR

DESIGN YEAR

APPLICATION

MISSION LENGTH

PART DERATING GUIDELINES

MISSION CRITICALITY

15

RADAR

RADAR

ARCRAFT

MISSION CRITICALITY

HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 FRF (H2)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00074

 VOLUME (CU. FT.)
 2.060

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON

DEPOT

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

DESIGN YEAR

APPLICATION

MISSION LENGTH

PART DERATING GUIDELINES

MISSION CRITICALITY

16

PREQ/TIMING GENERATOR

AIRCRAFT

MISSION CRITICALITY

HIGH

DESIGN APPROACH
SUR VEILLANCE/SEARCH
TRACKING
ECCH
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00086

 VOLUME (CU. FT.)
 4.8E0

 REIGHT (IN)
 00018

 WIDTH (IN)
 00021

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE
DEPOT
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

EQUIPMENT ID 17 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE TRANSMITTER DESIGN YEAR 70 AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	03791
VOLUME (CU. FT.)	7.6E1

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE AUTOMATED OFF LINE RECONFIGURATION RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE REMOVE 6 REPLACE ORGANIZATIONAL REMOVE 6 REPLACE INTERMEDIATE NONE

DEPOT

NONE MAJOR REPAIR

MAINTENANCE ECHELONS

ECHE ON SKILL LEVEL PERSONNEL ORGANIZATION 3 90%

EQUIPMENT ID 18
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SUR VEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
TWT
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE
FREQ BAND S
PRF (HZ) 25000
SCAN RATE (/MIN) 006.0
WEIGHT (LBS) 00042
HEIGHT (IN) 00016
WIDTH (IN) 00016
DEPTH (IN) 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY

AUTOMATED BIT
SELF TEST IMPLEMENTATION

GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE FAULT DETECTION FAULT ISOLATION RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 19
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DES IGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00005

 HEIGHT (IN)
 00003

 WIDTH (IN)
 00004

 DEPTH (IN)
 00011

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR EQUIPMENT ID 20
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SUR VEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00508

 HEIGHT (IN)
 00021

 WIDTH (IN)
 00023

 DEFTH (IN)
 00076

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL
AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL
FAULT DETECTION
FAULT ISOLATION
RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 21 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE POWER SUPPLY DESIGN YEAR 70 AIRCRAFT APPLICATION >8 HRS. MISSION LENGTH PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HTGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCH
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 PREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00077

 HEIGHT (IN)
 00021

 WIDTH (IN)
 00013

PAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

EQUIPMENT ID 22 EQUIPMENT CATEGORY RADAR INDICATOR/CONTROL EQUIPMENT TYPE DESIGN YEAR 70 AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY LOW

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY

KLYSTRON

CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR

RADAR COOLING/PRESSURIZEING 70 AIRCRAFT

APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

>8 HRS. INTERMEDIATE HIGH

23

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

DOPPLER
TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING

ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 FRF (RZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00036

 HEIGHT (IN)
 00013

 WIDTH (IN)
 00013

 DEPTH (IN)
 00006

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL
RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

DESIGN YEAR
APPLICATION

MISSION LENGTH
PART DERATING GUIDELINES

MISSION CRITICALITY

MISSION CRITICALITY

MISSION CRITICALITY

MISSION CRITICALITY

ARABA

EADAR

RADAR

RADAR

RADAR

RADAR

RADAR

RADAR

AIRCRAFT

SHRS.

PART DERATING GUIDELINES

MISSION CRITICALITY

LOW

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
HULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (H2)
 25000

 SCAN RATE (/MIN)
 006.0

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
MANUAL FAULT DETECTION
RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE

IATE NONE
MAJOR REPAIR

EQUIPMENT ID 25 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE **ALARM** DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH SUR VEILLANCE/SEARCH TRACKING **ECCM** MULTICHANNEL/MULTIFREQUENCY DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE FREQ BAND PRF (HZ) 25000 SCAN RATE (/MIN) 006.0 WEIGHT (LBS) HEIGHT (IN) 00031 00018 WIDTH (IN) 00015 DEPTH (IN) 80000

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE RECONFIGURATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

REMOVE & REPLACE INTERMEDIATE MINOR REPAIR DEPOT MAJOR REPAIR

NONE

EQUIPMENT ID 26 EQUIPMENT CATEGORY RADAR INTERCONNECTION /DISTRIBUTION EQUIPMENT TYPE DESIGN YEAR 70 AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH SUR VEILLANCE/SEARCH TRACKING ECCM MULTICHANNEL/MULTIFREQUENCY DOPPLER

TECHNOLOGY KLYSTRON CONTINUOUSLY ROTATING ELECTRONICALLY STEERABLE

VALUE MAJOR PARAMETERS FREQ BAND 25000 PRF (HZ) 006.0 SCAN RATE (/MIN)

FAULT TOLERANCE

NONE

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION RECONFIGURATION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL INTERMEDIATE MINOR REPAIR MAJOR REPAIR DEPOT

EQUIPMENT ID 27 RADAR EQUIPMENT CATEGORY TEST CIRCUITRY EQUIPMENT TYPE 70 DESIGN YEAR AIRCRAFT **APPLICATION** >8 HRS. MISSION LENGTH PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY LOW

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS
FREQ BAND
PRF (HZ)
SCAN RATE (/MIN)
WEIGHT (LBS)
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR EQUIPMENT ID 28
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES
MISSION CRITICALITY HIGH

DESIGN APPROACH
SUR VEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00023

 HEIGHT (IN)
 00012

 WIDTH (IN)
 00015

 DEPTH (IN)
 00008

FAULT TOLERANCE NONE

VALUE

25000

006.0

00014

00014

80000

00004

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE MONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE
DEPOT

NONE
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

29 EQUIPMENT ID EQUIPMENT CATEGORY RADAR POWER SUPPLY EQUIPMENT TYPE DESIGN YEAR 70 AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLIS

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00060

 HEIGHT (IN)
 00015

 WIDTH (IN)
 00016

 DEPTH (IN)
 00007

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 30 EQUIPMENT CATEGORY RADAR POWER SUPPLY EQUIPMENT TYPE DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00747

 HEIGHT (IN)
 00045

 WIDTH (IN)
 00025

 DEPTH (IN)
 00035

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY NONE

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLICHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 31 EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE FILTER DESIGN YEAR 70 AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY

KLYSTRON

CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 FREY (RZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00548

 HEIGHT (IN)
 00021

 WIDTH (IN)
 00023

 DEPTH (IN)
 00045

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY NONE

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

INTERMEDIATE MINOR REPAIR DEPOT MAJOR REPAIR

NONE

REMOVE & REPLACE

EQUIPMENT ID 32 EQUIPMENT CATEGORY RADAR POWER SUPPLY EQUIPMENT TYPE DESIGN YEAR 70 AIRCRAPT APPLICATION MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 FRF (HZ)
 25000

 SCAN RATE (/MIN)
 006-0

 WEIGHT (LBS)
 00240

 HEIGHT (IN)
 00031

 WIDTH (IN)
 00021

FAULT TOLFRANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

FAULT CONTROL
AUTOMATED ON LINE NONE
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE

DEPOT

NONE
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

MISSION CRITICALITY

33
RADAR
COOLING/PRESSURIZEING
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

VALUE MAJOR PARAMETERS FREO BAND PRF (HZ) 25000 SCAN RATE (/MIN) 006.0 WEIGHT (LBS)
NO. OF MODULES 00054 00002 HEIGHT (IN) 00015 WIDTH (IN) 00014 DEPTH (IN) 00007

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

MANUAL.

DEPOT

Control of the Contro

NONE
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

RECONFIGURATION

EQUIPMENT ID 34
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TEACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE
FREQ BAND S
PRF (HZ) 25000
SCAN RATE (/MIN) 006.0
WEIGHT (LBS) 00318
HEIGHT (IN) 00072
WIDTH (IN) 00090
DEPTH (IN) 00016

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

MISSION CRITICALITY

35
RADAR
INTERCONNECTION/DISTRIBUTION
70
AIRCRAFT
>8 HRS.
INTERMEDIATE

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIPREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 S

 PRF (HZ)
 25000

 SCAN RATE (/MIN)
 006.0

 WEIGHT (LBS)
 00120

 HEIGHT (IN)
 00032

 WIDTH (IN)
 00021

HIGH

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR FAULT TOLERANCE REDUNDANT CHANNELS

DESIGN APPROACH

TECHNOLOGY

CRT

KEYBOARD ENTRY

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

COMPLEXITY

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS

BCHELON SKILL LEVEL PERSONNEL
ORGANIZATION 3 70%
INTERMEDIATE 3 30%

TOTAL NUMBER OF PARTS 72000
ACTIVE ELEMENT COUNT

SSI/MSI DIGITAL ICS 29000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING CUIDELINES
MISSION CRITICALITY

37
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY CRT

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

38
CONTROLS/DISPLAYS
1/O DEVICE
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY CRT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)

VALUE 00006 1.6E2

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE NONE MAJOR REPAIR

NONE

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

MISSION CRITICALITY

39
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
INTERMEDIATE

HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY CRT

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
PERCONPICURATION

MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE

ORGANIZATIONAL INTERMEDIATE DEPOT REMOVE & REPLACE NONE MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON SKILL LEVEL PERSONNEL ORGANIZATION 3 95%

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

40
COMTROLS/DISPLAYS
COMPUTER
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH KEYBOARD ENTRY

TECHNOLOGY CRT

MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) VALUE 00010 6.0E2

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED OF LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY

CONTROLS/DISPLAYS COMPUTER 70 AIRCRAFT >8 HRS. INTERMEDIATE HIGH

DESIGN APPROACH KEYBOARD ENTRY

TECHNOLOGY CRT

MAJOR PARAMETERS WEIGHT (LBS)
VOLUME (CU. FT.) VALUE 00047 2.6E3

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION RECONFIGURATION

MANUAL MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL NONE INTERMEDIATE MAJOR REPAIR

DEPOT

MAINTENANCE ECHELONS

ECHELON

SKILL LEVEL PERSONNEL

95%

ORGANIZATION

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY

42 CONTROLS/DISPLAYS COMPUTER 70 AIRCRAFT >8 HRS. INTERMEDIATE HIGH

DESIGN APPROACH KEYBOARD ENTRY

TECHNOLOGY CRT

MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)

VALUE 00032 1.6E3

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION RECONFIGURATION MANUAL

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

43
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
KEYBOARD ENTRY

MISSION CRITICALITY

TECHNOLOGY CRT

MAJOR PARAMETERS HEIGHT (IN) DEPTH (IN) VALUE 00049 00028

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOPTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
FART DERATING GUIDELINES
MISSION CRITICALITY

CONTROLS/DISPLAYS
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY CRT

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVINTERMEDIATE NONE
DEPOT MAJOS

REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID 45 EQUIPMENT CATEGORY COMPUTER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDI UM

MAJOR PARAMETERS VALUE NO. OF MODULES

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION

MANUAL RECONFIGURATION MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE

ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE MINOR REPAIR MAJOR REPAIR DEPOT

MAINTENANCE ECHELONS SKILL LEVEL PERSONNEL ECHELON ORGANIZATION 70% INTERMEDIATE 30%

COMPLEXITY TOTAL NUMBER OF PARTS 05115 EQUIPMENT ID 46 EQUIPMENT CATEGORY COMPUTER DESIGN YEAR 70 AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDI UM

MAJOR PARAMETERS NO. OF MODULES

00005

00004

VALUE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 47
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE A/D OR D/A
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRSMISSION CRITICALITY MEDIUM

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL. RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 48
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE A/D OR D/A
DESIGN YEAR 70
AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

MAJOR PARAMETERS VALUE
NO. OF MODULES 00001
HEIGHT (IN) 02.76
WIDTH (IN) 07.80
DEPTH (IN) 08.10

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE NONE RECONFIGURATION RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE DE POT NONE
REMOVE & REPLACE
MINOR REPAIR
MAJOR REPAIR

EQUIPMENT ID 49
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION CENTICALITY MEDIUM

MAJOR PARAMETERS VALUE
NO. OF MODULES 00001
HEIGHT (IN) 03.00
WIDTH (IN) 04.40
DEPTH (IN) 05.00

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE RECONFIGURATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL NONE

OKOMINIEMI LONKE

REMOVE & REPLACE

INTERMEDIATE DEPOT MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR

COMPUTER

MULTIPLE XOR / DEMULTIPLE XOR

70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM

> VALUE 00001

NO. OF MODULES FAULT TOLERANCE

NONE

MAJOR PARAMETERS

PART QUALITY GRADE/SCREEN CLASS

TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE RECONFIGURATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE REMOVE & REPLACE NONE

DEPOT

MAJOR REPAIR

51

COMPUTER

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION

MISSION CRITICALITY

MULTIPLEXOR/DEMULTIPLEXOR AIRCRAFT MEDI UM

FAULT TOLERANCE NONE

MISSION LENGTH

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE RECONFIGURATION MANUAI. RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE REMOVE & REPLACE NONE MAJOR REPAIR

52

EQUIPMENT ID EQUIPMENT CATEGORY COMPUTER DESIGN YEAR APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

TECHNOLOGY MAGNETIC DRUM OTHER MAGNETIC TAPE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON SKILL LEVEL PERSONNEL ORGANIZATION 70% INTERMEDIATE 3 30%

COMPLEXITY

TOTAL NUMBER OF PARTS 75048 NUMBER OF DIFFERENT GENERIC PART TYPES 630

ACTIVE ELEMENT COUNT SSI/MSI DIGITAL ICS

15000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

COMPUTER
INTERCONNECTION /DISTRIBUTION
70
AIRCRAFT

PART DERATING GUIDELINES MISSION CRITICALITY

AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

MAJOR PARAMETERS WEIGHT (1BS) WIDTH (IN) VALUE 001 75 00034

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

REMOVE & REPLACE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

54 COMPUTER INDICATOR/CONTROL 70 AIRCRAFT >8 HRS.

INTERMEDIATE

MEDI UM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

MISSION CRITICALITY

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

55

COMPUTER

AIRCRAFT

>8 HRS.

HIGH

70

CODER/DECODER

INTERMEDIATE

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

56
COMPUTER
I/O DEVICE
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

57
COMPUTER
I/O DEVICE
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL HINOR REPAIR
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 58
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE I/O DEVICE
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 59 EQUIPMENT CATEGORY COMPUTER EQUIPMENT TYPE I/O DEVICE DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE DEPOT NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 60
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

 MAJOR PARAMETERS
 VALUE

 REIGHT (IN)
 000 70

 WIDTH (IN)
 00040

 DEPTH (IN)
 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY SEMI AUTOMATED BIT SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 61
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL

RECONFIGURATION
RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES

MISSION CRITICALITY

COMPUTER INDICATOR/CONTROL 70 A IRCRAFT >8 HRS. INTERMEDIATE HIGH

TECHNOLOGY MAGNETIC DRUM OTHER MAGNETIC TAPE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT ISOLATION

RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR

63

COMPUTER

AIRCRAFT

INTERMEDIATE

>8 HRS.

MEMOR Y

70

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY

TECHNOLOGY MAGNETIC DRUM OTHER MAGNETIC TAPE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION **RECONFIGURATION**

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY

64 COMPUTER MULTIPLEXOR/DEMULTIPLEXOR AIRCRAFT >8 HRS. INTERMEDIATE HIGH

TECHNOLOGY MAGNETIC DRUM OTHER MAGNETIC TAPE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL INTERMEDIATE MINOR REPAIR DEPOT MAJOR REPAIR

EQUIPMENT ID 65 EQUIPMENT CATEGORY COMPUTER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

TECHNOLOGY MAGNETIC DRUM OTHER MAGNETIC TAPE

MAJOR PARAMETERS VALUE HEIGHT (IN) 00063 WIDTH (IN) 00024 DEPTH (IN) 00024

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE MINOR REPAIR

MAJOR REPAIR

HIGH

EQUIPMENT ID 66 EQUIPMENT CATEGORY COMPUTER EQUIPMENT TYPE MEMOR Y DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERALING GUIDELINES INTERMEDIATE MISSION CRITICALITY

TECHNOLOGY MAGNETIC DRUM OTHER MAGNETIC TAPE

DEPOT

MAJOR PARAMETERS VALUE HEIGHT (IN) 00011 WIDTH (IN) 00018 DEPTH (IN) 00018

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION RECONFIGURATION MANUAL.

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY

67 COMMUNICATIONS **AIRCRAFT** >8 HRS. INTERMEDIATE

DESIGN APPROACH RADIO DIGITAL DATA TRANS PONDER/IFF

TECHNOLOGY GRIDED TUBE

MAJOR PARAMETERS FREO BAND NO. OF MODULES

VALUE 00013

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION MANUAL FAULT ISOLATION MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE REMOVE & REPLACE

PERSONNEL

INTERMEDIATE DEPOT

NONE MAJOR REPAIR

MAINTENANCE ECHELONS

SKILL LEVEL 3

ORGANIZATION INTERMEDIATE 70% 307

COMPLEXITY

TOTAL NUMBER OF PARTS

04578

ACTIVE ELEMENT COUNT

SSI/MSI DIGITAL ICS

01200

EQUIPMENT ID

EQUIPMENT CATEGORY

COMMUNICATIONS

DESIGN YEAR APPLICATION

AIRCRAFT

68

MISSION LENGTH PART DERATING GUIDELINES >8 HRS.

MISSION CRITICALITY

INTERMEDIATE

DESIGN APPROACH

RADIO

DIGITAL DATA

TRANSPONDER/IFF

TECHNOLOGY

GRIDED TUBE

FCM

MAJOR PARAMETERS FREQ BAND

NO. OF MODULES

VALUE 00006 7.0E2

POWER CONSUMPTION (W)

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

TX/883

SELF TEST CAPABILITY

AUTOMATED BIT

SELF TEST IMPLEMENTATION

GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED

AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL

ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION

AUTOMATED OFF LINE FAULT ISOLATION **RECONFIGURATION**

MANUAL

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE

ORGANIZATIONAL

REMOVE & REPLACE REMOVE & REPLACE

INTERMEDIATE

REMOVE & REPLACE MAJOR REPAIR

DEPOT

COMPLEXITY

TOTAL NUMBER OF PARTS

04180

ACTIVE ELEMENT COUNT

SSI/MSI DIGITAL ICS

01200

EQUIPMENT ID

EQUIPMENT CATEGORY EQUIPMENT TYPE

DESIGN YEAR APPLICATION

MISSION LENGTH

MISSION CRITICALITY

DESIGN APPROACH

RADIO

DICITAL DATA

TRANS PONDER/IFF

TECHNOLOGY

GRIDED TUBE

PCM

MAJOR PARAMETERS FREQ BAND

VALUE

69

COMPUTER

AIRCRAFT

>8 HRS.

HIGH

70

COMMUNICATIONS

NO. OF MODULES POWER CONSUMPTION (W) 00001 2.7E2

FAULT TOLERANCE

NONE

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY

AUTOMATED BIT

SELF TEST IMPLEMENTATION

GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED

AUTOMATED PRINTOIT

DIAGNOSE TO/REPLACE LEVEL

ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT ISOLATION MANUAL

RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL

INTERMEDIATE

DEPOT

REMOVE & REPLACE REMOVE & REPLACE

MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY

70 COMMUNICATIONS COMPUTER 70 AIRCRAFT >8 HRS. HICH

MAJOR PARAMETERS NO. OF MODULES FAULT TOLERANCE

VALUE 00001

REDUNDANT CHANNELS PART QUALITY GRADE/SCREEN CLASS

TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE

MANUAL

DEPOT

RECONFIGURATION AUTOMATED OFF LINE FAULT DETECTION RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

PART DERATING GUIDELINES

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH

MISSION CRITICALITY

71 COMMUNICATIONS POWER SUPPLY AIRCRAFT >8 HRS. INTERMEDIATE HICH

DESIGN APPROACH RADIO DIGITAL DATA TRANS PONDER / IFF

TECHNOLOGY GRIDED TUBE

MAJOR PARAMETERS FREQ BAND

VALUE

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION RECONFIGURATION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY

72 COMMUNICATIONS TRANSCEIVER 70 AIRCRAFT >8 HRS. INTERMEDIATE HIGH

DESIGN APPROACH RADIO DIGITAL DATA TRANS PONDER / IFF

TECHNOLOGY GRIDED TUBE PCM

MAJOR PARAMETERS FREQ BAND NO. OF MODULES POWER CONSUMPTION (W)

VALUE 00001 1.9E2

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR

APPLICATION

MISSION LENGTH

73
COMMUNICATIONS
INTERCONNECTION/DISTRIBUTION
70
AIRCRAFT
>8 HRS.
HIGH

MISSION CRITICALITY

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDED TUBE
PCM

MAJOR PARAMETERS FREQ BAND

VALUE L

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE

AUTOMATED OF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE
REMOVE & REPLACE
MAJOR REPAIR
NONE

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
MISSION CRITICALITY

74
COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
HIGH

DESIGN APPROACH RADIO DIGITAL DATA TRANSPONDER/IFF

TECHNOLOGY
GRIDED TUBE
PCM

MAJOR PARAMETERS FREQ BAND NO. OF MODULES VALUE L 00008

FAULT TOLERANCE NONE PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 75
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY GRIDED TUBE PCM

MAJOR PARAMETERS FREQ BAND VALUE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

76
COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

MISSION CRITICALITY

GRIDED TUBE PCM

TECHNOLOGY

MAJOR PARAMETERS FREQ BAND

VALUE

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

INTERMEDIATE

DEPOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

77
COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
INTERMEDIATE.
HIGH

DESIGN APPROACH RADIO DIGITAL DATA TRANSPONDER/IFF

TECHNOLOGY
GRIDED TUBE

MAJOR PARAMETERS FREQ BAND VALUE L

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883 TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

78
COMMUNICATIONS
70
AIRCRAPT
>8 HRS.
INTERMEDIATE

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF
TECHNOLOGY

GRIDED TUBE PCM

MAJOR PARAMETERS FREQ BAND FAULT TOLERANCE

VALUE L

NONE
PART QUALITY GRADE/SCREEN CLASS

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOPTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL,
AUTOMATED ON LINE MONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEFOT

NONE REMOVE & REPLACE NONE NAJOR REPAIR

6-47

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

MISSION CRITICALITY

COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH RADIO DIGITAL DATA TRANS PONDER/IFF

TECHNOLOGY
GRIDED TUBE
PCM

MAJOR PARAMETERS FREQ BAND VALUE L

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIACNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NO
ORGANIZATIONAL RE
INTERMEDIATE NO
DEPOT MA

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY

COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
INTERMEDIATE
HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDED TUBE
PCM

MAJOR PARAMETERS FREQ BAND

FAULT TOLERANCE NONE VALUE L PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR

81

AIRCRAFT

>8 HRS.

HICH

70

COMMUNICATIONS

INTERMEDIATE

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES
MISSION CRITICALITY
DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF
TECHNOLOGY
GRIDED TUBE

VALUE

FAULT TOLERANCE

PCM MAJOR PARAMETERS

FREQ BAND

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEFOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID 82 EQUIPMENT CATEGORY **COMMUNICATIONS** DESIGN YEAR APPLICATION **AIRCRAFT** MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH

DESIGN APPROACH RADIO DIGITAL DATA TRANS PONDER / IFF

TECHNOLOGY GRIDED TUBE PCM

MAJOR PARAMETERS FREQ BAND

VALUE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION MANUAL RECONFIGURATION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

NONE REMOVE & REPLACE ORGANIZATIONAL INTERMEDIATE NONE DEPOT MAJOR REPAIR

EQUIPMENT ID 83 **EQUIPMENT CATEGORY** COMMUNICATIONS DESIGN YEAR APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY MEDIUM

DESIGN APPROACH RADIO SECURE COMMUNICATION /VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY M SSE FULL DUPLEX SIMPLEX

MAJOR PARAMETERS PEAR RF POWER (W) VALUE 6.0E2 FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AULOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT DETECTION FAIR T DETECTION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE MAJOR REPAIR DEPOT

MAINTENANCE ECHELONS SKILL LEVEL PERSONNEL **ECHELON** ORGANIZATION 20% 09% INTERMEDIATE

COMPLEXITY TOTAL NUMBER OF PARTS

72752

EQUIPMENT ID EQUIPMENT CATEGORY COMMUNICATIONS DESIGN YEAR AIRCRAFT APPLICATION MISSION LENGTH >8 HRS. MISSION CRITICALITY HIGH

DESIGN APPROACH AUDIO/VOICE

MAJOR PARAMETERS WEIGHT (LBS)

VALUE 00361

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE MONE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE MAJOR REPAIR DEPOT

COMPLEXITY TOTAL NUMBER OF PARTS

15390

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION

85 COMMUNICATIONS AMPLIFIER AUDIO 70 AIRCRAFT >8 HRS.

DESIGN APPROACH AUD IO /VOICE

MISSION LENGTH

MAJOR PARAMETERS WEIGHT (LBS)

VALUE 00006

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED OFF LINE RECONFIGURATION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL

NONE REMOVE & REPLACE NONE

HIGH

INTERMEDIATE DEPOT

MAJOR REPAIR EQUIPMENT ID 86 EQUIPMENT CATEGORY COMMUNICATIONS EQUIPMENT TYPE

DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY INDICATOR/CONTROL 70 AIRCRAFT >8 HRS.

DESIGN APPROACH AUDIO/VOICE

MAJOR PARAMETERS VALUE WEIGHT (LBS) 00046 HEIGHT (IN) WIDTH (IN) 00038 00022 DEPTH (IN) 00003

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE RECONFIGURATION MANUAL. FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY

87 COMMUNICATIONS INDICATOR/CONTROL 70 AIRCRAFT >8 HRS.

HIGH

DESIGN APPROACH AUDIO/VOICE

MAJOR PARAMETERS WEIGHT (LBS)

VALUE 00006

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE RECONFIGURATION FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
MISSION CRITICALITY

88
COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
HIGH

DESIGN APPROACH AUDIO/VOICE

MAJOR PARAMETERS WEIGHT (LBS) VALUE 00005

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
MISSION CRITICALITY

89
COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
HIGH

DESIGN APPROACH AUDIO/VOICE

MAJOR PARAMETERS WEIGHT (LBS) VALUE 00006

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PAWEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE RECONFIGURATION FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

ORGANIZATIONAL INTERMEDIATE DEPOT NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

90
COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
INTERMEDIATE

DESIGN APPROACH AUDIO/VOICE

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE NONE MAJOR REPAIR

NONE

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MISSION LENGTH

PART DERATING GUIDELINES

91 COMMUNICATIONS 70 AIRCRAFT >8 HRS. INTERMEDIATE

DESIGN APPROACH AUDIO/VOICE

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID 92 EQUIPMENT CATEGORY COMMUNICATIONS DESIGN YEAR APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH AUDIO/VOICE

DEPOT

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

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SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE

MANUAL

NONE

AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL

NONE REMOVE & REPLACE

INTERMEDIATE DEPOT

NONE

MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MISSION LENGTH

PART DERATING GUIDELINES

93 COMMUNICATIONS 70 AIRCRAFT >8 HRS. INTERMEDIATE

DESIGN APPROACH AUDIO/VOICE

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE NONE

MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION

MISSION CRITICALITY

COMMUNICATIONS MULTIPLEXOR / DEMULTIPLEXOR AIRCRAFT >8 HRS. HIGH

DESIGN APPROACH AUDIO/VOICE

MISSION LENGTH

VALUE MAJOR PARAMETERS WEIGHT (LBS) HEIGHT (IN) 00036 80000 WIDTH (IN) 01000 DEPTH (IN) 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE RECONFIGURATION FAULT DETECTION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY

INTERMEDIATE

DEPOT

CUMMUNICATIONS AIRCRAFT >8 HRS. HIGH

DESIGN APPROACH RADIO AUDIO/VOICE

TEC HNO LOGY

MAJOR PARAMETERS VALUE FREQ BAND VHF AVG RF POWER (W) 1.5E1 WEIGHT (LBS) 00017 NO. OF MODULES 00003 HEIGHT (IN) 00009 WIDTH (IN) 00005 DEPTH (IN) 00016

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL INIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT NONE IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

96

HIGH

COMPLEXITY TOTAL NUMBER OF PARTS

03242

EQUIPMENT ID EQUIPMENT CATEGORY COMMUNICATIONS EQUIPMENT TYPE INDICATOR/CONTROL DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS.

DESIGN APPROACH RADIO AUDIO/VOICE

MISSION CRITICALITY

TECHNOLOGY AM

MAJOR PARAMETERS VALUE FREQ BAND VHF AVG RF POWER (W) HEIGHT (IN) 1 - 5E 1 00003 WIDTH (IN) 00006 DEPTH (IN) 00004

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

EQUIPMENT ID 97 FAULT TOLERANCE EQUIPMENT CATEGORY COMMUNICATIONS REDUNDANT CHANNELS EQUIPMENT TYPE TRANSCEIVER PART QUALITY GRADE/SCREEN CLASS DESIGN YEAR 70 TX/883 APPLICATION AIRCRAFT >8 HRS. MISSION LENGTH TYPE OF COOLING HIGH MISSION CRITICALITY FORCED AIR (FAN) DESIGN APPROACH SELF TEST CAPABILITY RADIO MANUAL RYTE AUDIO/VOICE SELF TEST IMPLEMENTATION **TECHNOLOGY** PANEL INDICATORS AM MAJOR PARAMETERS VALUE DIAGNOSE TO/REPLACE LEVEL FREQ BAND VHF UNIT (LRU/PRU) 1.5E1 AVG RF POWER (W) 00017 FAULT CONTROL WEIGHT (LBS) NO. OF MODULES AUTOMATED ON LINE NONE 00009 AUTOMATED OFF LINE FAULT DETECTION WIDTH (IN) 00005 DEPTH (IN) 00016 FAULT DETECTION FAULT TOLERANCE MAINTENANCE CONCEPT REDUNDANT CHANNELS IN FLIGHT MAINTENANCE NON E. ORGANIZATIONAL REMOVE & REPLACE PART QUALITY GRADE/SCREEN CLASS INTERMEDIATE NONE TX/883 DEPOT MAJOR REPAIR COMPLEXITY SELF TEST CAPABILITY TOTAL NUMBER OF PARTS 15496 MANUAL BYTE EQUIPMENT ID 99 SELF TEST IMPLEMENTATION EQUIPMENT CATEGORY COMMUNICATIONS PANEL INDICATORS EQUIPMENT TYPE INDICATOR/CONTROL DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU) DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY FAULT CONTROL MEDIUM AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT DETECTION DESIGN APPROACH MANUAL FAULT DETECTION RADIO AUDIO/VOICE MAINTENANCE CONCEPT TECHNOLOGY IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL SSB INTERMEDIATE MINOR REPAIR MAJOR PARAMETERS VALUE DEPOT MAJOR REPAIR FREQ BAND HF PEAK RF POWER (W) 5.0E2 FOULPMENT ID 98 AVG RF POWER (W) 1.3E2 EQUIPMENT CATEGORY COMMUNICATIONS NO. OF SELECTABLE / PRESET TRANSMITTING FREQO280K DESIGN YEAR WEIGHT (LBS) HEIGHT (IN) 00003 APPLICATION AIRCRAFT 00003 MISSION LENGTH >8 HRS. WIDTH (IN) DEPTH (IN) 00006 MISSION CRITICALITY MEDIUM 00007 DESIGN APPROACH FAULT TOLERANCE RADIO NONE AUDIO/VOICE PART QUALITY GRADE/SCREEN CLASS TECHNOLOGY TX/883 SSB TYPE OF COOLING MAJOR PARAMETERS VALUE FORCED AIR (FAN) FREQ BAND HF PEAK RF POWER (W) 5.0E2 SELF TEST CAPABILITY AVG RF POWER (W) 1.3E2 MANUAL BYTE NO. OF SELECTABLE/PRESET TRANSMITTING FREQUESOK WEIGHT (LBS) 00302 SELF TEST IMPLEMENTATION NO. OF MODULES 00006 PANEL INDICATORS HEIGHT (IN) 00036

Appendix of the second

WIDTH (IN)

DEPTH (IN)

00023

00026

DIAGNOSE TO/REPLACE LEVEL

UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE

AUTOMATED OFF LINE FAULT DETECTION

MANUAL

FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE

INTERMEDIATE

DEPOT

REMOVE & REPLACE

NONE MAJOR REPAIR

EQUIPMENT ID

100

EQUIPMENT CATEGORY
EQUIPMENT TYPE

COMMUNICATIONS INDICATOR/CONTROL

DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY

70 AIRCRAFT >8 HRS. MEDIUM

DESIGN APPROACH RADIO AUDIO/VOICE

TECHNOLOGY

SSB

MAJOR PARAMETERS FREQ BAND PEAK RF POWER (W)

AVG RF POWER (W) 1.3E2 NO. OF SELECTABLE / PRESET TRANSMITTING PREQUESOK 80000 WEIGHT (LBS) 00008

HEIGHT (IN) WIDTH (IN) DEPTH (IN)

FAULT TOLERANCE

NONE

PART QUALITY GRADE/SCREEN CLASS

TX/883

TYPE OF COOLING

FORCED AIR (FAN)

SELF TEST CAPABILITY

MANUAL BYTE

SELF TEST IMPLEMENTATION

PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL

UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE

NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL

FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE

NONE

ORGANIZATIONAL

REMOVE & REPLACE NON F.

INTERMEDIATE

DEPOT

MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY

EQUIPMENT TYPE DESIGN YEAR APPLICATION

MISSION LENGTH MISSION CRITICALITY

DESIGN APPROACH RADIO AUDIO/VOICE

TECHNOLOGY

MAJOR PARAMETERS VALUE PREQ BAND HP PEAK RF POWER (W) 5.0E2 AVG RF POWER (W) 1.3E2 NO. OF SELECTABLE/PRESET TRANSMITTING PREQ0280K

101

AIRCRAFT

>8 HRS.

MEDIUM

70

COMMUNICATIONS

INDICATOR/CONTROL

FAULT TOLERANCE

VALUE

5.0E2

00006

00006

HF

PART QUALITY GRADE/SCREEN CLASS

TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY

MANUAL BYTE

SELF TEST IMPLEMENTATION

PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION

MANUAL

DEPOT

FAULT DETECTION

MAINTENANCE CONCEPT

IN PLIGHT MAINTENANCE NONE

ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE NONE

MAJOR REPAIR

MAJOR PARAMETERS VALUE 102 ROUI PMENT ID FREQ BAND НF COMMUNICATIONS EQUIPMENT CATEGORY PEAK RF POWER (W) 5.0F2 INDICATOR/CONTROL EQUIPMENT TYPE AVG RF POWER (W) DESIGN YEAR NO. OF SELECTABLE/PRESET TRANSMITTING FREQUESOK AIRCRAFT APPLICATION WEIGHT (LBS) 00302 >8 HRS. MISSION LENGTH HEIGHT (IN) 00036 MEDIUM MISSION CRITICALITY WIDTH (IN) DEPTH (IN) 00026 DESIGN APPROACH RADIO FAULT TOLERANCE AUDIO/VOICE REDUNDANT CHANNELS TECHNOLOGY PART QUALITY GRADE/SCREEN CLASS SSB TX/883 VALUE MAJOR PARAMETERS TYPE OF COOLING HF FREQ BAND FORCED AIR (FAN) PEAK RF POWER (W) 5.0E2 AVG RF POWER (W) SELF TEST CAPABILITY NO. OF SELECTABLE/PRESET TRANSMITTING FREQ0280K MANUAL BYTE 00034 WEIGHT (LBS) 80000 HEIGHT (IN) SELF TEST IMPLEMENTATION 00018 DEPTH (IN) PANEL INDICATORS FAULT TOLERANCE DIAGNOSE TO/REPLACE LEVEL NONE ASSY (SRU) PART QUALITY GRADE/SCREEN CLASS FAULT CONTROL TX/883 AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION TYPE OF COOLING MANUAL FAULT DETECTION FORCED AIR (FAN) MAINTENANCE CONCEPT SELF TEST CAPABILITY IN FLIGHT MAINTENANCE NONE MANUAL BYTE REMOVE & REPLACE **ORGANIZATIONAL** INTERMEDIATE NONE SELF TEST IMPLEMENTATION MAJOR REPAIR DEPOT PANEL INDICATORS DIAGNOSE TO/REPLACE LEVEL EQUIPMENT ID 104 COMMUNICATIONS EQUIPMENT CATEGORY UNIT (LRU/PRU) EQUIPMENT TYPE AMPLIFIER, RF DESIGN YEAR 70 FAULT CONTROL APPLICATION AIRCRAFT AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION MISSION LENGTH >8 HRS. FAULT DETECTION MISSION CRITICALITY MEDIUM MANUAL. MAINTENANCE CONCEPT DESIGN APPROACH IN FLIGHT MAINTENANCE NONE RADIO REMOVE & REPLACE AUDIO/VOICE ORGANIZATIONAL INTERMEDIATE TECHNOLOGY MAJOR REPAIR DEPOT SSB 103 EQUIPMENT ID VALUE MAJOR PARAMETERS COMMUNICATIONS EQUIPMENT CATEGORY FREQ BAND DESIGN YEAR PEAK RF POWER (W) AIRCRAFT APPLICATION AVG RF POWER (W) MISSION LENGTH >8 HRS. NO. OF SELECTABLE/PRESET TRANSMITTING FREQ0280K MEDIUM MISSION CRITICALITY WEIGHT (LBS) HEIGHT (IN) DESIGN APPROACH WIDTH (IN) 80000 RADIO DEPTH (IN) 00019 AUDIO/VOICE FAULT TOLERANCE TECHNOLOGY REDUNDANT CHANNELS SSB PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN) SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 105
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH RADIO AUDIO/VOICE

TECHNOLOGY SSB

VALUE MAJOR PARAMETERS FREQ BAND HF PEAK RF POWER (W) 5.CF2 AVG RF POWER (W) 1.3E2 NO. OF SELECTABLE/PRESET TRANSMITTING FREQ0280K WEIGHT (LBS) 00005 HEIGHT (IN) 00008 WIDTH (IN) 00001 DEPTH (IN) 00019

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED OF LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN PLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR EQUIPMENT ID 106
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH RADIO AUDIO/VOICE

TECHNOLOGY SSB

MAJOR PARAMETERS VALUE
FREQ BAND HF
PEAK RF POWER (W) 5, nf2
AVG RF POWER (W) 1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ0280K
WEIGHT (LBS) 00020
HEIGHT (IN) 00008
WIDTH (IN) 00019
DEPTH (IN) 00019

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERNEDIATE NONE

DEPOT

NONE MAJOR REPAIR

VALUE 107 MAJOR PARAMETERS EQUIPMENT ID COMMUNICATIONS HP EQUIPMENT CATEGORY FREO BAND EQUIPMENT TYPE AMPLIFIER, RF PEAK RF POWER (W) AVG RF POWER (W) 1.3E2 DESIGN YEAR 70 NO. OF SELECTABLE/PRESET TRANSMITTING PREQU280K AIRCRAFT APPLICATION WEIGHT (LBS) MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM HEIGHT (IN) 00008 00002 WIDTH (IN) DESIGN APPROACH DEPTH (IN) 00019 RADIO AUDIO/VOICE FAULT TOLERANCE REDUNDANT CHANNELS **TECHNOLOGY** PART QUALITY GRADE/SCREEN CLASS SSB MAJOR PARAMETERS VALUE FREQ BAND TYPE OF COOLING 5.0E2 PEAK RF POWER (W) FORCED AIR (FAN) AVG RF POWER (W) 1.3E2 NO. OF SELECTABLE/PRESET TRANSMITTING FREQ0280K SELF TEST CAPABILITY 00010 MANUAL BYTE WEIGHT (LBS) HEIGHT (IN) 00008 00002 SELF TEST IMPLEMENTATION WIDTH (IN) 00019 PANEL INDICATORS DEPTH (IN) FAULT TOLERANCE DIAGNOSE TO/REPLACE LEVEL REDUNDANT CHANNELS ASSY (SRU) PART QUALITY GRADE/SCREEN CLASS FAULT CONTROL AUTOMATED OFF LINE FAULT DETECTION TX/883 MANUAL. FAULT DETECTION TYPE OF COOLING MAINTENANCE CONCEPT FORCED AIR (FAN) IN FLIGHT MAINTENANCE NON F SELF TEST CAPABILITY ORGANIZATIONAL REMOVE & REPLACE MANUAL BYTE INTERMEDIATE NONE DEPOT MAJOR REPAIR SELF TEST IMPLEMENTATION PANEL INDICATORS EQUIPMENT ID 109 EQUIPMENT CATEGORY COMMUNICATIONS DIAGNOSE TO/REPLACE LEVEL FREQ/TIMING GENERATOR EQUIPMENT TYPE ASSY (SRU) DESIGN YEAR AIRCRAFT **APPLICATION** FAULT CONTROL MISSION LENGTH >8 HRS. AUTOMATED ON LINE FAULT DETECTION MISSION CRITICALITY MEDIUM AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION MANUAL. DESIGN APPROACH RADIO MAINTENANCE CONCEPT AUDIO/VOICE IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL TECHNOLOGY INTERMEDIATE NONE MAJOR REPAIR DEPOT MAJOR PARAMETERS VALUE FREQ BAND HF EQUIPMENT ID 108 PEAK RF POWER (W) 5.0E2 EQUIPMENT CATEGORY COMMUNICATIONS AVG RF POWER (W) 1.3E2 EQUIPMENT TYPE AMPLIFIER, RF NO. OF SELECTABLE/PRESET TRANSMITTING FREQ0280K DESIGN YEAR 70 WEIGHT (LBS) 00013 AIRCRAFT APPLICATION HEIGHT (IN) 00008 MISSION LENGTH >8 HRS. 00002 WIDTH (IN) MISSION CRITICALITY MEDIUM 00019 DEPTH (IN) DESIGN APPROACH FAULT TOLERANCE RADIO REDUNDANT CHANNELS AUDIO/VOICE PART QUALITY GRADE/SCREEN CLASS **TECHNOLOGY**

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SSB

TX/883

TYPE OF COOLING FORCED AIR (FAN) SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL
FAULT DETECTION
FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 110
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH RADIO AUDIO/VOICE

TECHNOLOGY SSB

MAJOR PARAMETERS VALUE HF FREQ BAND PEAK RF POWER (W) 5.0E2 AVG RF POWER (W) 1.3E2 NO. OF SELECTABLE/PRESET TRANSMITTING FREQO280K WEIGHT (LBS) HEIGHT (IN) 00008 80000 WIDTH (IN) 00001 DEPTH (IN) 00019

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

TYPE OF COOLING FORCED AIR (FAN)

DEPOT

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE

AUTOMATED OFF LINE

HANUAL

FAULT DETECTION

FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE MONE
ORGANIZATIONAL REMOV
INTERMEDIATE NONE

REMOVE & REPLACE NONE MAJOR REPAIR EQUIPMENT ID 111
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH RADIO AUDIO/VOICE

TECHNOLOGY SSB

MAJOR PARAMETERS VALUE
FREQ BAND HP
PEAK RF POWER (W) 5.0E2
AVC RF POWER (W) 1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING PREQ0280K
WEIGHT (LBS) 00038
HEIGHT (IN) 00005
WIDTH (IN) 00005
DEPTH (IN) 00019

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE
DEPOT
MAJOR REPAIR

EQUIPMENT ID 112 EQUIPMENT CATEGORY COMMUNICATIONS DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MEDIUM MISSION CRITICALITY

VALUE MAJOR PARAMETERS 00002 NO. OF MODULES

FAULT TOLERANCE . NONE

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED OFF LINE NONE

FAULT DETECTION MANUAL NONE FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE MAJOR REPAIR DEPOT

NONE

113

COMMUNICATIONS

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION

INDICATOR/CONTROL 70 AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM

MAJOR PARAMETERS NO. OF MODULES

VALUE 00001

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE

The second secon

AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION MANUAL

NONE

MAINTENANCE CONCEPT

DEPOT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY

114 COMMUNICATIONS INDICATOR/CONTROL AIRCRAFT >8 HRS. MEDI UM

MAJOR PARAMETERS NO. OF MODULES

VALUE 00001

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE DEPOT MAJOR REPAIR

EQUIPMENT ID 115 EQUIPMENT CATEGORY COMMUNICATIONS DESIGN YEAR APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY HIGH

DESIGN APPROACH RADIO SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY AM FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE UHF FREO BAND PEAK RF POWER (W) AVG RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF IST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION MANUAL.

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL DEPOT

NONE REMOVE & REPLACE MAJOR REPAIR

116

COMMUNICATIONS

INDICATOR/CONTROL

COMPLEXITY

TOTAL NUMBER OF PARTS

13970

ACTIVE ELEMENT COUNT

SSI/MSI DIGITAL ICS

02500

EQUIPMENT ID

EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR

70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY LOW

DESIGN APPROACH RADIO

SECURE COMMUNICATION/VOCODE DIGITAL DATA

AUDIO/VOICE

TECHNOLOGY FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) 1.4EI SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAI. FAULT DETECTION

MAINTENANCE CONCEPT

IN PLIGHT MAINTENANCE

ORGANIZATIONAL

DEPOT

REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE

APPLICATION MISSION LENGTH MISSION CRITICALITY

DESIGN YEAR

70 AIRCRAFT >8 HRS. LOW

117

COMMUNICATIONS

INDICATOR/CONTROL

DESIGN APPROACH RADIO SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY AM

> FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) SIMULTANEOUS CHANNELS 1.4E1 00008

FAULT TOLERANCE

NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

DEPOT

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR

118
COMMUNICATIONS
MODULATOR/DEMODULATOR
70

APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5-6E2

 AVC RF POWER (W)
 1.4E1

 SIMULTANEOUS CHANNELS
 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 119
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE MODULATOR /DEMODULATOR

DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

A STATE OF THE PARTY OF THE PAR

MAJOR PARAMETERS VALUE
FREQ BAND UHF
PEAR RF POWER (W) 5.6E2
AVC RF POWER (W) 1.4E1
SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

DESIGN YEAR

APPLICATION

MISSION LENGTH

120

COMMUNICATIONS

INTERCONNECTION/DISTRIBUTION

AIRCRAFT

MISSION LENGTH

120

COMMUNICATIONS

AIRCRAFT

MISSION LENGTH

120

COMMUNICATIONS

AIRCRAFT

88 HRS.

HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

MISSION CRITICALITY

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5.6E2

 AVG RF POWER (W)
 1.4E1

 SIMULTANEOUS CHANNELS
 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH

121
COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
LOW

DESIGN APPROACH
RADIO
DIRECTION FINDER

MISSION CRITICALITY

MAJOR PARAMETERS FREQ BAND NO. OF MODULES VALUE UHF 00003

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

DEPOT

NONE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID 122
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER AUDIO
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5.622

 AVG RF POWER (W)
 1.481

 SIMULTAREOUS CHANNELS
 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL DEPOT

REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID 123
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5.6E2

 AVC RF POWER (W)
 1.4E1

 SIMULTANEOUS CHANNELS
 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

MISSION CRITICALITY

124
COMMUNICATIONS
INDICATOR/CONTROL
70

AIRCRAFT >8 HRS. LOW

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5-6E2

 AVC RF POWER (W)
 1.4E1

 SIMULTANEOUS CHANNELS
 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION
MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL PEMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 125
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5.622

 AVG RF POWER (W)
 1.4E1

 SIMULTANEOUS CHANNELS
 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

DESIGN YEAR

APPLICATION

MISSION LENGTH

MISSION CRITICALITY

126

COMMUNICATIONS

INDICATOR/CONTROL

AIRCRAFT

>8 HRS.

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX

SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 80000 WEIGHT (LBS) 00010 HEIGHT (IN) 00006 WIDTH (IN) 00006 DEPTH (IN) 00007

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

PAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

127
COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 URF

 PEAK RF POWER (W)
 5.6E2

 AVG RF POWER (W)
 1.4E1

 SIMULTANEOUS CHANNELS
 00008

 WEIGHT (LBS)
 00007

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

AUTOMATED OFF LINE FAULT DET
MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE 6 REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 128
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE CODER/DECODER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 00008 WEIGHT (LBS) 00002 HEIGHT (IN) 00005 WIDTH (IN) 00005 DEPTH (IN) 00001

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE

DEPOT MAJOR REPAIR

EQUIPMENT ID 129
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE FILTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY

AM

FULL DUPLEX
SIMPLEX

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 UHF

 PEAK RF POWER (W)
 5.622

 AVG RF POWER (W)
 1.421

 SIMULTANEOUS CHANNELS
 00008

 WEIGHT (LBS)
 00079

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIACNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE

ORGANIZATIONAL DEPOT

MISSION CRITICALITY

NONE REMOVE & REPLACE MAJOR REPAIR

MEDIUM

130 EQUIPMENT ID COMMUNICATIONS EQUIPMENT CATEGORY FILTER EQUIPMENT TYPE 70 DESIGN YEAR AIRCRAFT APPLICATION >8 HRS. MISSION LENGTH

DESIGN APPROACH RADIO SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY AM FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE UHF FREQ BAND PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) SIMULTANEOUS CHANNELS 1.4EL 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

INTERMEDIATE DEPOT

NONE REMOVE & REPLACE MONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH

131 COMMUNICATIONS AMPLIFIER, RF 70 AIRCRAFT >8 HRS.

DESIGN APPROACH RADIO SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 80000 HEIGHT (IN) 30000 WIDTH (IN) 00012 DEPTH (IN) 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL DEPOT

NONE REMOVE & REPLACE MAJOR REPAIR

132 EQUIPMENT ID COMMUNICATIONS EQUIPMENT CATEGORY DESIGN YEAR 70 APPLICATION AIRCRAFT >8 HRS. MISSION LENGTH PART DERATING GUIDELINES INTERMEDIATE MEDI UM MISSION CRITICALITY

DESIGN APPROACH RADIO SECURE COMMUNICATION / VOCODE DIGITAL DATA AUDIO /VOICE

TECHNOLOGY FULL DUPLEX SIMPLEX

VALUE MAJOR PARAMETERS FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVG RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE

NONE AUTOMATED OFF LINE PAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

MISSION CRITICALITY

IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE **ORGANIZATIONAL** NONE

INTERMEDIATE DEPOT

EQUIPMENT ID 133 COMMUNICATIONS **EQUIPMENT CATEGORY** TRANSCEIVER EQUIPMENT TYPE DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. PART DERATING GUIDELINES INTERMEDIATE

MAJOR REPAIR

HICH

DESIGN APPROACH RADIO SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND UHF PEAK RF POWER (W) 5.6E2 AVC RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT DETECTION

MANUAL FAULT DETECTION MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

NONE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY COMMUNICATIONS EQUIPMENT TYPE TRANSCEIVER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY HIGH

DESIGN APPROACH RADIO SECURE COMMUNICATION / VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY AM FULL DUPLEX SIMPLEX

MAJOR PARAMETERS VALUE FREQ BAND PEAK RF POWER (W) UHF 5.6E2 AVG RF POWER (W) 1.4E1 SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION MAJOR PARAMETERS VALUE AUTOMATED OFF LINE FAULT DETECTION FREQ BAND VHF FAULT DETECTION AVC RF POWER (W) 7.0E0 WEIGHT (LBS) 00007 MAINTENANCE CONCEPT NO. OF MODULES 00004 IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL REMOVE & REPLACE FAULT TOLERANCE INTERMEDIATE NONE DEPOT MAJOR REPAIR SELF TEST CAPABILITY MANUAL BYTE EQUIPMENT ID 135 EQUIPMENT CATEGORY COMMUNICATIONS SELF TEST IMPLEMENTATION EQUIPMENT TYPE POWER SUPPLY PANEL INDICATORS DESIGN YEAR APPLICATION AIRCRAFT DIAGNOSE TO/REPLACE LEVEL MISSION LENGTH >8 HRS. UNIT (LRU/PRU) DESIGN APPROACH FAULT CONTROL RADIO AUTOMATED ON LINE NONE SECURE COMMUNICATION / VOCODE AUTOMATED OFF LINE NONE DIGITAL DATA MANUAL FAULT DETECTION AUDIO/VOICE MAINTENANCE CONCEPT TECHNOLOGY IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL REMOVE & REPLACE FULL DUPLEX INTERMEDIATE MINOR REPAIR SIMPLEX DEPOT MAJOR REPAIR EQUIPMENT ID MAJOR PARAMETERS VALUE EQUIPMENT CATEGORY COMMUNICATIONS FREO BAND UHF EQUIPMENT TYPE TRANSCEIVER PEAK RF POWER (W) 1.4E3 DESIGN YEAR AVG RF POWER (W) 3.2E2 APPLICATION AIRCRAFT SIMULTANEOUS CHANNELS 00008 MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM FAULT TOLERANCE REDUNDANT CHANNELS DESIGN APPROACH RADIO PART QUALITY GRADE/SCREEN CLASS SECURE COMMUNICATION/VOCODE TX/883 AUDIO/VOICE SELF TEST CAPABILITY **TECHNOLOGY** MANUAL BYTE SIMPLEX SELF TEST IMPLEMENTATION PANEL INDICATORS MAJOR PARAMETERS VALUE FREQ BAND DIAGNOSE TO/REPLACE LEVEL VHF AVG RF POWER (W) UNIT (LRU/PRU) 7.0E0 WEIGHT (LBS) 00007 NO. OF MODULES FAULT CONTROL 00001 HEIGHT (IN) AUTOMATED OFF LINE FAULT DETECTION 00004 WIDTH (IN) 00006 DEPTH (IN) MAINTENANCE CONCEPT 00008 IN FLIGHT MAINTENANCE NONE FAULT TOLERANCE REMOVE & REPLACE **ORGANIZATIONAL** NONE DEPOT MAJOR REPAIR SELF TEST CAPABILITY EQUIPMENT ID 136 MANUAL BYTE EQUIPMENT CATEGORY COMMUNICATIONS DESIGN YEAR SELF TEST IMPLEMENTATION 70 APPLICATION AIRCRAFT PANEL INDICATORS MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU) DESIGN APPROACH RADIO FAULT CONTROL SECURE COMMUNICATION/VOCODE AUTOMATED ON LINE NONE

AUTOMATED OFF LINE

IN FLIGHT MAINTENANCE

MAINTENANCE CONCEPT

ORGANIZATIONAL

INTERMEDIATE

MANUAL

NONE

FAULT DETECTION

NONE

REMOVE & REPLACE

MINOR REPAIR

MAJOR REPAIR

AUDIO/VOICE

TECHNOLOGY

SIMPLEX

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION

138 COMMUNICATIONS AIRCRAFT

MISSION LENGTH PART DERATING GUIDELINES

>8 HRS. HIGH REL.

MAJOR PARAMETERS NO. OF MODULES POWER CONSUMPTION (W) VALUE 80000 2.8E3

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIACNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL

FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL

INTERMEDIATE DEPOT

NONE

REMOVE & REPLACE REMOVE & REPLACE MAJOR REPAIR

COMPLEXITY

TOTAL NUMBER OF PARTS

20292

ACTIVE ELEMENT COUNT

00091 HYBRID ICS 00291 LINEAR/INTERFACE ICS 01754 SSI/MSI DIGITAL ICS LSI/MEMORY ICS 00219

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR

COMMUNICATIONS AMPLIFIER, RF

APPLICATION MISSION LENGTH PART DERATING GUIDELINES AIRCRAFT >8 HRS. HIGH REL.

MAJOR PARAMETERS HEIGHT (IN) WIDTH (IN) DEPTH (IN)

POWER CONSUMPTION (W)

VALUE 80000 00012 00020 1.1E2

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN PLIGHT MAINTENANCE ORGANIZATIONAL

NONE REMOVE & REPLACE

INTERMEDIATE DEPOT

NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES

140 COMMUNICATIONS COMPUTER 70 AIRCRAFT >8 HRS. HIGH REL.

MAJOR PARAMETERS MEMORY SIZE (WORDS) POWER CONSUMPTION (W)

VALUE 2.4E4

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

NONE AUTOMATED ON LINE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE REMOVE & REPLACE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

PART DERATING GUIDELINES

141
COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
HIGH REL.

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE

INTERCONNECTION /DISTRIBUTION

70
AIRCRAFT

COMMUNICATIONS

142

NONE

DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL-

MAJOR PARAMETERS POWER CONSUMPTION (W) VALUE 2.2E2

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)
FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION
MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

MAJOR PARAMETERS VALUE

HEIGHT (IN) 00008

WIDTH (IN) 00015

DEPTH (IN) 00020

POWER CONSUMPTION (W) 4.022

143

AIRCRAFT

HIGH REL.

>8 HRS.

COMMUNICATIONS

MULTIPLEXOR/DEMULTIPLEXOR

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

144
COMMUNICATIONS
POWER SUPPLY
70
AIRCRAFT
>8 HRS.
HIGH REL.

MAJOR PARAMETERS POWER CONSUMPTION (W) VALUE 3.0k2

NONE

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

DEPOT

145 COMMUNICATIONS POWER SUPPLY 70 AIRCRAFT >8 HRS. HIGH REL.

MAJOR PARAMETERS POWER CONSUMPTION (W) WALUE 7.0E2

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

DEPOT

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTEN NCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
PART DERATING GUIDELINES

146 COMMUNICATIONS TRANSCEIVER 70 AIRCRAFT >8 HRS. HIGH REL.

 MAJOR PARAMETERS
 VALUE

 HEIGHT (IN)
 00008

 WIDTH (IN)
 00015

 DEPTH (IN)
 00020

 FOWER CONSUMPTION (W)
 11-8E2

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE

DEPOT MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

MISSION CRITICALITY

147
COMMUNICATIONS
70
AIRCRAFT
>8 HRS.
MEDIUM

DESIGN APPROACH DIGITAL DATA

MISSION LENGTH

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00034

 NO. OF MODULES
 00002

 HEIGHT (IN)
 00009

 WIDTH (IN)
 00008

 DEPTH (IN)
 00019

FAULT TOLERANCE

NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE
REMOVE & REPLACE
NONE

INTERMEDIATE DEPOT

MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON SKILL LEVEL ORGANIZATION

PERSONNEL 002

COMPLEXITY

TOTAL NUMBER OF PARTS

10117

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT
>8 HRS.
MEDIUM

148

DESIGN APPROACH DIGITAL DATA

MISSION LENGTH MISSION CRITICALITY

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00006

 HEIGHT (IN)
 00009

 WIDTH (IN)
 00006

 DEPTH (IN)
 00005

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL

UNIT (LRU/PRU)
FAULT CONTROL

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
MISSION CRITICALITY

INTERMEDIATE

DEPOT

149
COMMUNICATIONS
A/D OR D/A
70
AIRCRAPT
>8 HRS.
MEDIUM

DESIGN APPROACH DIGITAL DATA

Louis Committee

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00028
HEIGHT (IN) 00008
WIDTH (IN) 00008
DEPTH (IN) 00019

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE 6 REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

150

AIRCRAFT

>8 HRS.

ALARM

70

LOW

COMMUNICATIONS

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
MISSION CRITICALITY

DESIGN APPROACH
DIGITAL DATA

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 151

EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70

APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH DIGITAL DATA

FAULT TOLERANCE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMP ARTATION PANEL INDIA, MAS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

DEPOT

NONE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID 152
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00100

 NO. OF MODULES
 00002

 HEIGHT (IN)
 00014

 WIDTH (IN)
 00038

 DEPTH (IN)
 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLICHT MAINTENANCE ORGANIZATIONAL

NONE REMOVE & REPLACE MAJOR REPAIR EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

MISSION CRITICALITY

153 COMMUNICATIONS INTERCONNECTION /DISTRIBUTION 70 AIRCRAFT >8 HRS. HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00050
NO. OF MODULES 00001
HEIGHT (IN) 00014
WIDTH (IN) 00019
DEPTH (IN) 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL
FAULT DETECTION
FAULT DETECTION
FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID

EQUIPMENT CATEGORY

EQUIPMENT TYPE

DESIGN YEAR

APPLICATION

MISSION LENGTH

MISSION CRITICALITY

EQUIPMENT TYPE

INTERCONNECTION/DISTRIBUTION

AIRCRAFT

8 HRS.

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00050
NO. OF MODULES 00001
HEIGHT (IN) 00014
WIDTH (IN) 00019
DEPTH (IN) 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883 SELF TEST CAPABILITY MANUAL BYTE SELF TEST IMPLEMENTATION PANEL INDICATORS DIACNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE
AUTOMATED OFF LINE
MANUAL
FAULT DETECTION
FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL

NONE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR

155 COMMUNICATIONS

APPLICATION MISSION LENGTH

AIRCRAFT >8 HRS.

DESIGN APPROACH SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY HALF DUPLEX WIDE BAND NARROW BAND

FAULT TOLERANCE

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE FAULT DETECTION MANUAL

FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE NONE

MAJOR REPAIR

>8 HRS.

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION

MISSION LENGTH

DEPOT

COMMUNICATIONS CODER/DECODER AIRCRAFT

DESIGN APPROACH SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY HALF DUPLEX

FAULT TOLERANCE NONE

The second of the second secon

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED OFF LINE FAULT DETECTION MANUAL **FAULT DETECTION**

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE REMOVE & REPLACE NONE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH

157 COMMUNICATIONS INDICATOR/CONTROL AIRCRAFT >8 HRS.

DESIGN APPROACH SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY HALF DUPLEX

FAULT TOLERANCE NONE

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE DEPOT MAJOR REPAIR

EQUIPMENT ID 158 EQUIPMENT CATEGORY COMMUNICATIONS EQUIPMENT TYPE CODER/DECODER DESIGN YEAR 70 APPLICATION AIRCRAFT MISSION LENGTH >8 HRS.

DESIGN APPROACH SECURE COMMUNICATION/VOCODE DIGITAL DATA AUDIO/VOICE

TECHNOLOGY HALF DUPLEX

FAULT TOLERANCE NONE

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL AUTOMATED OFF LINE FAULT DETECTION FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE DEPOT MAJOR REPAIR

EQUIPMENT ID 159
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER AUDIO
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY HALF DUPLEX WIDE BAND

FAULT TOLERANCE NONE

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE
ORGANIZATIONAL
INTERMEDIATE

DEPOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID 160
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY HALF DUPLEX

FAULT TOLERANCE NONE

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT

NONE
REMOVE & REPLACE
NONE
MAJOR REPAIR

EQUIPMENT ID

EQUIPMENT CATEGORY

DESIGN YEAR

APPLICATION

MISSION LENGTH

161

GUIDANCE/NAVIGATION

AIRCRAFT

>8 HRS.

TECHNOLOGY INERTIAL DOPPLER RADIO GIMBALED

 MAJOR PARAMETERS
 VALUE

 POSITION ACCURACY (FT)
 6.1E3

 VELOCITY ACCURACY (FT/SEC)
 00006

 HEADING ACCURACY (DEG)
 00050

 WEIGHT (LBS)
 00450

 VOLUME (CU. FT.)
 3.0E1

 NO. OF MODULES
 00014

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLICHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON SKILL LEVEL PERSONNEL
ORGANIZATION 3 10Z
INTERMEDIATE 3 09Z

COMPLEXITY
TOTAL NUMBER OF PARTS 12361

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
MISSION CRITICALITY

162
GUIDANCE/NAVIGATION
TRANSCEIVER
70
AIRCRAFT
>8 HRS.
MEDIUM

TECHNOLOGY DOPPLER RADIO

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00005

 VOLUME (CU. FT.)
 2.2E0

 NO. OF MODULES
 00001

 HEIGHT (IN)
 00006

 WIDTH (IN)
 00025

 DEPTH (IN)
 00026

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY MANUAL BYTE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE DEPOT NONE

REMOVE & REPLACE
REMOVE & REPLACE
MAJOR REPAIR

COMPLEXITY

to the state of th

TOTAL NUMBER OF PARTS

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

163 GUIDANCE/NAVIGATION

01259

VALUE

00002

DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY RADIO

MAJOR PARAMETERS NO. OF MODULES

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY MANUAL BITE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE

NONE

ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE REMOVE & REPLACE DEPOT MAJOR REPAIR

COMPLEXITY

TOTAL NUMBER OF PARTS

04098

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

GUIDANCE/NAVIGATION
INTERCONNECTION/DISTRIBUTION

DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY RADIO

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00004

 VOLUME (CU. FT.)
 1.0E0

 HEIGHT (IN)
 00006

 WIDTH (IN)
 00006

 DEPTH (IN)
 00002

FAULT TOLERANCE

NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL PITE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

DEPOT

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

THROW AWAY MAINTENANCE IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE REMOVE & REPLACE

NONE REMOVE & REPLACE

NONE

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY GUIDANC E/NAVIGATION INDICATOR/CONTROL AIRCRAFT >8 HRS.

TECHNOLOGY RADIO

VALUE MAJOR PARAMETERS 00005 WEIGHT (LBS) 0.1E0 VOLUME (CU. FT.) 00001 NO. OF MODULES 00004 HEIGHT (IN) 00005 WIDTH (IN) 00006 DEPTH (IN)

PAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TES? CAPABILITY MANUAL BITE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION

FAULT DETECTION MANUAL

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE

REMOVE & REPLACE REMOVE & REPLACE MAJOR REPAIR

NONE

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE

166 GUIDANCE/NAVIGATION INDICATOR/CONTROL

DESIGN YEAR

DEPOT

70 APPLICATION AIRCRAFT MISSION LENGTH MISSION CRITICALITY >8 HRS. MEDIUM

TECHNOLOGY RADTO

MAJOR PARAMETERS VALUE WEIGHT (LBS) 00013 VOLUME (CU. FT.) 0.2E0 NO. OF MODULES 00001 HEIGHT (IN) 80000 WIDTH (IN) 00005 DEPTH (IN) 00006

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BITE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE NONE

AUTOMATED OFF LINE FAULT DETECTION MANUAL **FAULT DETECTION**

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION

MISSION LENGTH MISSION CRITICALITY

167 GUIDANCE/NAVIGATION RECEIVER 70 AIRCRAFT >8 HRS. MEDI IIM

TECHNOLOGY RADIO

DEPOT

MAJOR PARAMETERS VALUE 00063 WEIGHT (LBS)
VOLUME (CU. FT.) 0.9E0 00001 NO. OF MODULES HEIGHT (IN) 00008 WIDTH (IN) 00010 00021 DEPTH (IN)

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY MANUAL BITE

SELF TEST IMPLEMENTATION PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAIILT CONTROL AUTOMATED ON LINE NONE

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE

DEPOT

NONE REMOVE & REPLACE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID 168 EQUIPMENT ID 170 GUIDANCE/NAVIGATION **EQUIPMENT CATEGORY** GUIDANCE/NAVIGATION EQUIPMENT CATEGORY INTERCONNECTION /DISTRIBUTION EQUIPMENT TYPE EQUIPMENT TYPE POWER SUPPLY DESIGN YEAR 70 DESIGN YEAR AIRCRAFT APPLICATION APPLICATION AIRCRAFT MISSION LENGTH SA HRS. MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM MISSION CRITICALITY MEDI UM TECHNOLOGY TECHNOLOGY RADIO INERTIAL **GIMBALED** FAULT TOLERANCE NONE VALUE MAJOR PARAMETERS 00017 WEIGHT (LBS)
VOLUME (CU. FT.) PART QUALITY GRADE/SCREEN CLASS 0.2E0 TX/883 00001 NO. OF MODULES 00006 HEIGHT (IN) SELF TEST CAPABILITY 00005 WIDTH (IN) MANUAL BITE 00013 DEPTH (IN) SELF TEST IMPLEMENTATION FAULT TOLERANCE PANEL INDICATORS REDUNDANT CHANNELS FAULT CONTROL PART QUALITY GRADE/SCREEN CLASS AUTOMATED ON LINE NONE TX/883 MAINTENANCE CONCEPT SELF TEST CAPABILITY ORGANIZATIONAL REMOVE & REPLACE SEMI AUTOMATED BIT INTERMEDIATE REMOVE & REPLACE NONE SELF TEST IMPLEMENTATION MICROPROCESSOR EQUIPMENT ID HARDWARE CONTROLLED GUIDANCE/NAVIGATION EQUIPMENT CATEGORY PANEL INDICATORS DESIGN YEAR APPLICATION AIRCRAFT DIAGNOSE TO/REPLACE LEVEL >8 HRS. MISSION LENGTH UNIT (LRU/PRU) MISSION CRITICALITY FAULT CONTROL TECHNOLOGY AUTOMATED ON LINE RECONFIGURATION INERTIAL AUTOMATED OFF LINE FAULT ISOLATION GIMBALED RECONFIGURATION MANUAL MAJOR PARAMETERS VALUE MAINTENANCE CONCEPT POSITION ACCURACY (FT) 6.1E3 IN FLIGHT MAINTENANCE NONE VELOCITY ACCURACY (FT/SEC) 00006 ORGANIZATIONAL REMOVE & REPLACE HEADING ACCURACY (DEG) 00001 INTERMEDIATE MAJOR REPAIR 00004 NO. OF MODULES DEPOT NONE POWER CONSUMPTION (W) 4.7E2 EQUIPMENT ID FAILT TOLERANCE EQUIPMENT CATEGORY GUIDANCE/NAVIGATION REDUNDANT CHANNELS EQUIPMENT TYPE INDICATOR/CONTROL DESIGN YEAR PART QUALITY GRADE/SCREEN CLASS APPLICATION AIRCRAFT TX /883 MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDI UM SELF TEST CAPABILITY SEMI AUTOMATED BIT TECHNOLOGY INERTIAL SELF TEST IMPLEMENTATION GIMBALED MICROPROCESSOR HARDWARE CONTROLLED MAJOR PARAMETERS VALUE PANEL INDICATORS WEIGHT (LBS)
VOLUME (CU. FT.) 00005 0.1E0 DIAGNOSE TO/REPLACE LEVEL NO. OF MODULES 00001 UNIT (LRU/PRU) FAULT CONTROL HEIGHT (IN) 00005 WIDTH (IN) AUTOMATED ON LINE RECONFIGURATION 00005 DEPTH (IN)

> MAJOR REPAIR 04004

COMPLEXITY TOTAL NUMBER OF PARTS

RECONFIGURATION

NONE

REMOVE & REPLACE

AUTOMATED OFF LINE FAULT ISOLATION

MANUAL

DEPOT

MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE

ORGANIZATIONAL

INTERMEDIATE

6-78

FAULT TOLERANCE REDUNDANT CHANNELS

TX/883

PART QUALITY GRADE/SCREEN CLASS

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION MICROPROCESSOR HARDWARE CONTROLLED PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISCLATION RECONFIGURATION MANUAL

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE MAJOR REPAIR

EQUIPMENT ID

GUIDANCE/NAVIGATION EQUIPMENT CATEGORY EQUIPMENT TYPE INERTIAL REFERENCE DESIGN YEAR

APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION CRITICALITY MEDIUM

TECHNOLOGY INERTIAL GIMBALED

MAJOR PARAMETERS VALUE WEIGHT (LBS)
VOLUME (CU. FT.) 00055 0.9E0 NO. OF MODULES 00001 HEIGHT (IN) 00008 WIDTH (IN) 00010 DEPTH (IN) 00020

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION MICROPROCESSOR HARDWARE CONTROLLED PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION MANUAI. RECONFIGURATION

MAINTENANCE CONCEPT IN PLIGHT MAINTENANCE

ORGANIZATIONAL INTERMEDIATE

NONE REMOVE & REPLACE MAJOR REPAIR

EQUIPMENT ID EQUIPMENT CATEGORY EOUIPMENT TYPE DESTON YEAR APPLICATION MISSION LENGTH MISSION CRITICALITY

173 GUIDANCE/NAVIGATION INDICATOR/CONTROL 70 AIRCRAFT >8 HRS. MEDIUM

TECHNOLOGY INERTIAL GIMBALED

MAJOR PARAMETERS VALUE WEIGHT (LBS)
WOLUME (CU. FT.) 10000 0.1E0 NO. OF MODULES 00001 HEIGHT (IN) 00002 WIDTH (IN) 00005 DEPTH (IN) 00002

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS TX/883

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION MICROPROCESSOR HARDWARE CONTROLLED PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE FAULT ISOLATION RECONFIGURATION MANUAL

MAINTENANCE CONCEPT

THROW AWAY MAINTENANCE REMOVE & REPLACE IN FLIGHT MAINTENANCE NONE

REMOVE & REPLACE ORGANIZATIONAL INTERMEDIATE NONE NONE

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MISSION LENGTH	174 RADAR 73 GROUND CONTINUOUS		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	176 COMPUTER INDICATOR/CONTROL 73 GROUND CONTINUOUS
DESIGN APPROACH SURVEILLANCE/SEARCH TRACKING PULSE COMPRESSION DOPPLER			DESIGN APPROACH ALPHANUMERIC KEYBOARD ENTRY GRAPHIC NON-INTERACTIVE	
TECHNOLOGY TWT ELECTRONICALLY STEERABLE			TEC HNO LOGY UN KNOWN PR INTER	
MAJOR PARAMETERS FREQ BAND DETECTION RANGE (MILES)		VALUE L 999.9	LIGHT PEN MAJOR PARAMETERS	VALUE
PEAK RF POWER (W) AVG RF POWER (W) PRF (HZ) AZ COVERAGE/ANGLE (DEG) POLARIZATION		1.5E7 9.2E5 00400 120.0	NUMBER OF KEYS EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	177 COMPUTER SIGNAL/DATA PROCESSOR 73
BEAM WIDTH (DEG) ELEV. COVERAGE/ANGLE (DEG TARGET SIZE (SQM) ANTENNA GAIN (DB))	000.6 080.0 000.1 048.2	APPLICATION MISSION LENGTH DESIGN APPROACH	GROUND CONT INUOUS
FAULT TOLERANCE GRACEFUL DEGRADATION DEGRADED MODES			DIGITAL GENERAL PURPOSE TECHNOLOGY OTHER MAGNETIC TAPE	
TYPE OF COOLING FORCED AIR (FAN) LIQUID			MAGNETIC DISK PACK MAGNETIC CORE	
SELF TEST CAPABILITY AUTOMATED BIT			MAJOR PARAMETERS WORD LENGTH (CHAR) MEMORY SIZE (WORDS) NO. OF INPUT PORTS	VALUE 00060 1-3E5 00005
SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER AUTOMATED PRINTOUT PANEL INDICATORS			NO. OF OUTPUT PORTS	00002
DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)				
EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION	175 COMPUTER 73 GROUND CONTINUOUS		EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION	179 RADAR 73 GROUND
MISSION LENGTH DESIGN APPROACH DIGITAL CENERAL PURPOSE	CONTINUOUS		MISSION LENGTH DESIGN APPROACH DIGITAL DEDICATED	CONTINUOUS
TECHNOLOGY OTHER MAGNETIC TAPE MAGNETIC DISK PACK			TECHNOLOGY SEMICONDUCTOR	
MAGNETIC CORE MAJOR PARAMETERS WORD LENGTH (CHAR) MEMORY SIZE (WORDS)		VALUE 00060 1.3E5 00005	MAJOR PARAMETERS CLOCK FREQ (HZ) WORD LENGTH (CHAR) MEMORY SIZE (WORDS) NO. OF MODULES	VALUE 5.0E6 00024 3.1E2 00379
NO. OF INPUT PORTS NO. OF OUTPUT PORTS		00002	PART QUALITY GRADE/SCREEN CI TXV/JAN 38510 TX/883	ASS
			TYPE OF COOLING FORCED AIR (FAN)	

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

The second secon

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH

178 RADAR 73 GROUND CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DO PPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
DETECTION RANGE (MILES)	999.9
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
PRF (HZ)	00400
AZ COVERAGE/ANGLE (DEG)	120.0
POLAR IZATION	v
BEAM WIDTH (DEG)	000.6
ELEV. COVERAGE/ANGLE (DEG)	080.0
TARGET SIZE (SQM)	000.1
ANTENNA GAIN (DB)	048.2

FAULT TOLERANCE
GRACEFUL DEGRADATION
DEGRADED MODES

TYPE OF COOLING FORCED AIR (FAN) LIQUID

SELF TEST CAPABILITY AUTOMATED BIT

EQUIPMENT ID	180
EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	73
APPLICATION	GROUND
MISSION LENGTH	CONTINUOUS

DESIGN APPROACH DIGITAL DEDICATED

TECHNOLOGY HARDWIRED

MAJOR PARAMETERS	VALUE
WORD LENGTH (CHAR)	00018
NO. OF MODULES	00071

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883

TYPE OF COOLING FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION I FROTU

181
RADAR
FREQ/TIMING GENERATOR
73
GROUND
CONTINUOUS

DESIGN APPROACH DIGITAL DEDICATED

TECHNOLOGY HARDWIRED

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	182 RADAR SIGNAL/DATA 73 GROUND	PROCESSOR
MISSION LENGTH	CONTINUOUS	

DESIGN APPROACH DIGITAL DEDICATED TECHNOLOGY

SEMICONDUCTOR

 MAJOR PARAMETERS
 VALUE

 CLOCK FREQ (HZ)
 5.0E6

 WORD LENGTH (CHAR)
 00024

 MEMORY SIZE (WORDS)
 3.1E2

 NO. OF OUTPUT FORTS
 00005

 NO. OF MODULES
 00308

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883

TYPE OF COOLING FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

EQUIPMENT ID 183
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH DIGITAL DEDICATED

TECHNOLOGY SEMICONDUCTOR

VALUE MAJOR PARAMETERS CLOCK FREQ (HZ) 1.0E7 WORD LENGTH (CHAR) 00150 MEMORY SIZE (WORDS) NO. OF BUSSES 1.0E3 00009 NO. OF REGISTERS
NO. OF INPUT PORTS 00002 00002 00003 NO. OF OUTPUT PORTS 00442 NO. OF MODULES

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH

184 RADAR 73 GROUND CONT IN UOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 L

 PEAK RF POWER (W)
 1.5E7

 AVC RF POWER (W)
 9.2E5

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883

TYPE OF COOLING FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

PULSE COMPRESSION DOPPLER DOPPLER		
TECHNOLOGY TWT ELECTRONICALLY STEERABLE DOPPLER TECHNOLOGY TWT ELECTRONICALLY STEERABLE ELECTRONICALLY STEERABLE		
MAJOR PARAMETERS FREQ BAND DETECTION RANGE (MILES) PEAK RF POWER (W) AVG RF POWER (W) AZ COVERAGE/ANGLE (DEG) POLARIZATION BEAM WIDTH (DEG) ELEV. COVERAGE/ANGLE (DEG) TARGET SIZE (SQM) ANTENNA GAIN (DB) NO. OF MODULES NO. OF MODULES NO. OF MODULES WIDTH (IN) WAJOR PARAMETERS FREQ BAND POLAR F POWER (W) POLAR RF POWER (W) FOR CED AIR (FAN) FORCED AIR (FAN) OOO.1 ANTENNA GAIN (DB) O48.2 NO. OF MODULES 30720 HEIGHT (IN) O1134 WIDTH (IN)		VALUE L 1.5E7 9.2E5
FAULT TOLERANCE GRACEFUL DECRADATION DEGRADED MODES SELF TEST CAPABILITY AUTOMATED BIT DESIGN YEAR APPLICATION MISSION LENGTH DESIGN APPROACH DIGITAL DEDICATED TECHNOLOGY	188 RADAR 73 GROUND CONTINUOUS	
EQUIPMENT ID 187 EQUIPMENT CATEGORY EQUIPMENT TYPE AMPLIFIER, RF CLOCK FREQ (HZ) DESIGN YEAR APPLICATION MISSION LENGTH CONTINUOUS CONTINUOUS CONTINUOUS DESIGN APPROACH SURVEILLANCE/SEARCH TRACKING PULSE COMPRESSION DOPPLER MAGNETIC CORE MAJOR PARAMETERS CLOCK FREQ (HZ) WORD LENGTH (CHAR) MORD LENGTH (CHAR) NO. OF INPUT PORTS NO. OF MODULES TYPE OF COOLING FORCED AIR (FAN) SELF TEST CAPABILITY		VALUE 2.0E7 00018 00003 00004 00074
TECHNOLOGY TWT ELECTRONICALLY STEERABLE MAJOR PARAMETERS FREQ BAND PEAK RF POWER (W) 1.5E7 AVG RP POWER (W) 9.2E5 AUTOMATED BIT SELF TEST IMPLEMENTATION GENERAL PURPOSE COMPUTER SOFTWARE CONTROLLED AUTOMATED PRINTOUT L PIAGNOSE TO/REPLACE LEVEL ASSY (SRU) FAULT CONTROL AUTOMATED OFF LINE FAUL		

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

189
RADAR
TRANSMITTER
73
GROUND
CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

 MAJOR PARAMETERS
 VALUE

 FREQ BAND
 L

 DETECTION RANGE (MILES)
 999.9

 PEAK RF POWER (W)
 1.5E7

 AVC RF POWER (W)
 9.2E5

 PRF (HZ)
 00500

 NO. OF MODULES
 00085

 POWER CONSUMPTION (W)
 3.1E6

FAULT TOLERANCE GRACEFUL DEGRADATION DEGRADED MODES

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883 JAN/HERMETIC ICS

TYPE OF COOLING FORCED AIR (FAN) LIQUID

SELF TEST CAPABILITY AUTOMATED BIT

The state of the s

SELF TEST IMPLEMENTATION PANEL INDICATORS

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

RADAR AMPLIFIER, RF 73 GROUND CONTINUOUS

190

DESIGN APPROACH SURVEILLANCE/SEARCH TRACKING PULSE COMPRESSION DOPPLER

TECHNOLOGY TWT ELECTRONICALLY STEERABLE

FAULT TOLERANCE GRACEFUL DEGRADATION DEGRADED MODES

TYPE OF COOLING

AMBIENT AIR (NORMAL CONVECTION)
LIQUID

EQUIPMENT ID 191
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS VALUE FREQ BAND DETECTION RANGE (MILES) 999.9 PEAK RF POWER (W) 1.5E7 AVG RF POWER (W) 9.2E5 PRF (HZ) 00500 1.4E2 VOLUME (CU. FT.) 00014 NO. OF MODULES 000 90 HEIGHT (IN) 00062 WIDTH (IN) DEPTH (IN) 00042

PART QUALITY GRADE/SCREEN CLASS JAN/HERMETIC ICS

TYPE OF COOLING FORCED AIR (FAN) LIQUID

EQUIPMENT ID 192 EQUIPMENT ID 193 EQUIPMENT CATEGORY EQUIPMENT TYPE RADAR EQUIPMENT CATEGORY RADAR MODULATOR / DEMODULATOR MODULATOR/DEMODULATOR EQUIPMENT TYPE DESIGN YEAR DESIGN YEAR APPLICATION GROUND APPLICATION GROUN D MISSION LENGTH CONT IN UOUS MISSION LENGTH CONTINUOUS DESIGN APPROACH DESIGN APPROACH SUR VEILLANCE/SEARCH SUR VEILLANCE/SEARCH TRACKING TRACKING PULSE COMPRESSION PULSE COMPRESSION DOPPLER DOPPLER TECHNOLOGY TECHNOLOGY ELECTRONICALLY STEERABLE ELECTRONICALLY STEERABLE TYPE OF COOLING MAJOR PARAMETERS VALUE VOLUME (CU. FT.) HEIGHT (IN) FORCED AIR (FAN) 6.1E2 LIQUID 00120 WIDTH (IN) 00200 DEPTH (IN) 00044 PART QUALITY GRADE/SCREEN CLASS JAN/HERMETIC ICS EQUIPMENT ID 194 TYPE OF COOLING EQUIPMENT CATEGORY RADAR FORCED AIR (FAN) EQUIPMENT TYPE MODULATOR/DEMODULATOR LICUID DESIGN YEAR APPLICATION 73 GROUND MISSION LENGTH CONTINUOUS EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE 195 DESIGN APPROACH SUR VE ILLANCE/SEARCH INDICATOR/CONTROL TRACKING DESIGN YEAR 73 PULSE COMPRESSION APPLICATION CROUND DOPPLER MISSION LENGTH **CONTINUOUS** TECHNOLOGY DESIGN APPROACH MANUAL ELECTRONICALLY STEERABLE NON-INTERACTIVE MAJOR PARAMETERS VALUE TECHNOLOGY VOLUME (CU. FT.) HEIGHT (IN) 6.1E2 METER 00120 **ELECTROMECHANICAL** WIDTH (IN) 00200 DEPTH (IN) 00044 MAJOR PARAMETERS VALUE NO. OF CONTROLS 00006 PART QUALITY GRADE/SCREEN CLASS HEICHT (IN) 00044 JAN/HERMETIC ICS PART QUALITY GRADE/SCREEN CLASS TYPE OF COOLING TXV/JAN 38510 FORCED AIR (FAN) TX/883 LICUID

TYPE OF COOLING FORCED AIR (FAN) DIAGNOSE TO/REPLACE LEVEL

ASSY (SRU)

DOLL THE TO	196	EQUIPMENT ID	197
EQUIPMENT ID	RADAR	EQUIPMENT CATEGORY	RADAR
EQUIPMENT CATEGORY	POWER SUPPLY	EQUIPMENT TYPE	MISC
EQUIPMENT TYPE	73	DESIGN YEAR	73
DESIGN YEAR		APPLICATION	GROUND
APPLICATION	CROUND		CONTINUOUS
MISSION LENGTH	CONTINUOUS	MISSION LENGTH	CONTINUOUS
DESIGN APPROACH		DESIGN APPROACH	
SUR VEILLANCE/SEARCH		SUR VEILLANCE/SEARCH	
TRACKING		TRACKING	
PULSE COMPRESSION		PULSE COMPRESSION	
DOPPLER		DOPPLER	
TECHNOLOGY		TEC HNO LOCY	
TWT		TWT	
ELECTRONICALLY STEERABLE		ELECTRONICALLY STEERAB	LE
MAJOR PARAMETERS	VALUE	MAJOR PARAMETERS	VALUE
FREQ BAND	L	FREQ BAND	L
PEAK RF POWER (W)	1.5E7	PEAK RF POWER (W)	1.5E7
AVC RF POWER (W)	9.2E5	AVG RF POWER (W)	9.2E5
110 11 1002 (0)	•••	VOLUME (CU. FT.)	3.5E1
TYPE OF COOLING		NO. OF MODULES	00072
AMBIENT AIR (NORMAL CONV	TECTION)	HEIGHT (IN)	00028
LIQUID	LC TION /	WIDTH (IN)	00030
		PART QUALITY GRADE/SCREE	N CLASS
		JAN/HERMETIC ICS	•
		TYPE OF COOLING	NUTCTION)
		AMBIENT AIR (NORMAL CO	N VEC 1 ION)
		EQUIPMENT ID	199
EQUIPMENT ID	198		GUIDANCE/NAVIGATION
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION	EQUIPMENT CATEGORY EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN APPROACH		DESIGN APPROACH	
TACAN		MANUAL	
RADIO		OPEN LOOP	
GEOGRAPHIC POSITION		CONTROL	
MAJOR PARAMETERS	• VALUE		
POSITION ACCURACY (FT)	1.8E3	TECHNOLOGY	
RANGE (MILES)	3.9E2	ELECTROMECHANICAL	
FREQUENCY BAND	UHF		
WEIGHT (LBS)	00042	MAJOR PARAMETERS	VALUE
NO. OF MODULES	00029	NO. OF CONTROLS	00006
M. Of LIODALES	30029	WEIGHT (LBS)	00002
		VOLUME (CU. FT.)	0.1E0
		NO. OF MODULES	00002
		HEIGHT (IN)	00003
		WIDTH (IN)	00006
		DEPTH (IN)	00005

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	200 GUIDANCE/NAVIGATION INTERCONNECTION/DISTRIBUTION	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	201 GUIDANCE/NAVIGATION TRANSCEIVER
DESIGN APPROACH TACAN RADIO GEOGRAPHIC POSITION		DESIGN APPROACH TACAN RADIO CEOGRAPHIC POSITION	
PAJOR PARAMETERS FREQUENCY BAND WEICHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) TYPE OF COOLING AMBIENT AIR (NORMAL CON	VALUE URF 00005 0.1E0 00009 00007 00002 00013	MAJOR PARAMETERS POSITION ACCURACY (FT) RANGE (MILES) PREQUENCY BAND WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)	VALUE 1.8E3 3.9E2 UHF 00027 0.5E0 00018 00007 00008 00015
		TYPE OF COOLING FORCED AIR (FAN)	
EQUIPMENT ID EQUIPMENT CATEGORY APPLICATION MISSION LENGTH	202 COMMUNICATIONS GROUND CONTINUOUS	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	203 CONTROLS/DISPLAYS INDICATOR/CONTROL 70 AIRCRAFT
DESIGN APPROACH DIGITAL DATA TRANSCEIVER		DESIGN APPROACH DISPLAY	
TECHNOLOGY SOLID STATE MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. PT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)	VALUE 00090 2.4E0 00029 00010 00019	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)	VALUE 00001 0.1E0 00002 00002 00006 1.3E1
PART QUALITY GRADE/SCREEN TXV/JAN 38510 TX/883	CLASS		
COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GEN NUMBER OF ACTIVE ELEMEN	- ·		
ACTIVE ELEMENT COUNT TUBES	00000		
DISCRETE SEMICONDUCTORS HYBRID ICS LIMEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS	00482 00025 00064 00620 00065 03000		

EQUIPMENT ID	204	EQUIPMENT ID	208
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS		
EQUIPMENT TYPE	INDICATOR/CONTROL	EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
DESIGN YEAR	70	EQUIPMENT TYPE	INDICATOR/CONTROL
APPLICATION	AIRCRAFT	DESIGN YEAR	70 AIRCRAFT
DESIGN APPROACH		APPLICATION	AIRCRAPI
DISPLAY		DESIGN APPROACH	
		ALPHANUMER IC	
MAJOR PARAMETERS	VALUE	AUTOMATIC CONTROL	
WEIGHT (LBS)	00002	CLOSED LOOP	
VOLUME (CU. FT.)	0.1E0	DISPLAY	
HEIGHT (IN)	00002	TECHNOLOGY	
WIDTH (IN) DEPTH (IN)	00002 00006	SER VO	
POWER CONSUMPTION (W)	2.0E1	ELECTROMECHANICAL	
		MAJOR PARAMETERS	VALUE
		WEIGHT (LBS)	00002
		VOLUME (CU. FT.)	0 • 1E 0 00005
		NO. OF MODULES HEIGHT (IN)	00003
		WIDTH (IN)	00003
EQUIPMENT ID	206	DEPTH (IN)	00007
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION	POWER CONSUMPTION (W)	1.9E1
EQUIPMENT TYPE	ANTENNA		
DESIGN YEAR APPLICATION	70 AIRCRAFT	man outstan on the Gontes of	21 4 66
AFFLICATION	AIRCRAFI	PART QUALITY GRADE/SCREEN C TX/883	. LA 33
MAJOR PARAMETERS	VALUE	12/003	
WEIGHT (LBS)	00001	TYPE OF COOLING	
VOLUME (CU. FT.)	0.160	AMBIENT AIR (NORMAL CONV	/ECTION)
HEIGHT (IN)	00009		
WIDTH (IN)	00009	COMPLEXITY	
DEPTH (IN)	00002	TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT	
		ACTIVE ELEMENT COUNT	
EQUIPMENT ID	205	TUBES	00000
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	DISCRETE SEMICONDUCTORS	00048
EQUIPMENT TYPE	INDICATOR/CONTROL	HYBRID ICS	00000
DESIGN YEAR APPLICATION	70 AIRCRAFT	LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS	00006 00000
ATTECATION	AIRCRAFI	LSI/MEMORY ICS	00000
DESIGN APPROACH		MICROPROCESSORS	00000
DISPLAY			
MAJOR PARAMETERS	VALUE		
WEIGHT (IBS)	00006	EQUIPMENT ID	209
WOLUME (CU. FT.)	0.1E0	EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
HEIGHT (IN)	00004	EQUIPMENT TYPE	INERTIAL REFERENCE
WIDTH (IN)	00004	DESIGN YEAR APPLICATION	70 AIRCRAFT
DEPTH (IN)	00008	PART DERATING GUIDELINES	INTERMEDIATE
POWER CONSUMPTION (W)	9.000	TECHNOLOGY	IN LUIGILLO EP LO
		INERTIAL	
		STRAPDOWN	
EQUIPMENT ID	207		
EQUIPMENT CATEGORY EQUIPMENT TYPE	COMMUNICATIONS	MAJOR PARAMETERS	VALUE 00018
DESIGN YEAR	ANTENNA 70	WEIGHT (LBS) VOLUME (CU. FT.)	0.480
APPLICATION	AIRCRAFT	NO. OF MODULES	00015
		HEIGHT (IN)	00008
MAJOR PARAMETERS	VALUE	WIDTH (IN)	00009
WEIGHT (LBS)	00004	DEPTH (IN)	00010
VOLUME (CU. FT.)	0. 1E0	POWER CONSUMPTION (W)	2.6E2
HEIGHT (IN) WIDTH (IN)	00008	FAULT TOLERANCE	
DEPTH (IN)	0000 <i>7</i> 00003	GRACEFUL DEGRADATION	

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY		EQUIPMENT ID	211
NONE		EQUIPMENT CATEGORY	CONTROLS /DISPLAYS
		EQUIPMENT TYPE	INDICATOR/CONTROL
DIAGNOSE TO/REPLACE LEVEL		DESIGN YEAR	70
ASSY (SRU)		APPLICATION	AIRCRAFT
		PART DERATING GUIDELINES	HIGH REL.
FAULT CONTROL			
AUTOMATED OFF LINE FAULT ISOLATION		DESIGN APPROACH	
MANUAL FAULT ISOLATION		AL PHANUMER IC	
MAINTENANCE CONCEPT		MANUAL CONTROL	
ORGANIZATIONAL REMOVE & REPI	ACE	DISPLAY	
INTERMEDIATE MINOR REPAIR	LACE	2202001	
DEPOT MAJOR REPAIR		TECHNOLOGY	
24.01		ELECTROMECHANICAL	
EQUIPMENT ID 210			
EQUIPMENT CATEGORY COMPUTER		MAJOR PARAMETERS	VALUE
EQUIPMENT TYPE COMPUTER		NO. OF CONTROLS	00017
DESIGN YEAR 70		WEIGHT (LBS)	00012
APPLICATION AIRCRAFT		VOLUME (CU. FT.)	0. lE0
nnd Tott Amno a Cil		NO. OF MODULES	00010
DESIGN APPROACH		HEIGHT (IN)	00007 00 0 06
DIGITAL		WIDTH (IN)	00006
TECHNOLOGY		DEPTH (IN)	5.2E1
MAGNETIC CORE		POWER CONSUMPTION (W)	J. 2E1
SEM ICONDUCTOR		FAULT TOLERANCE	
02.200.00020		NONE	
MAJOR PARAMETERS	VALUE		
CLOCK FREQ (HZ)		PART QUALITY GRADE/SCREEN	CLASS
WORD LENGTH (CHAR)		TXV/JAN 38510	
MEMORY SIZE (WORDS)	2.4E4	TX/883	
INTERRUPT LEVELS		JAN/HERMETIC ICS	
NO. OF BUSSES			
MEMORY I/O RATE (BAUD)		TYPE OF COOLING	nortou)
NO. OF REGISTERS		AMBIENT AIR (NORMAL CONV	ECTION)
NO. OF ACCUMULATORS NO. OF INPUT PORTS		COLD MECH CADABILITY	
NO. OF OUTPUT PORTS		SELF TEST CAPABILITY AUTOMATED BIT	
WEIGHT (LBS)	00040	AUTOMATED BIT	
VOLUME (CU. FT.)	0.9E0	SELF TEST IMPLEMENTATION	
NO. OF MODULES	00013	HARDWARE CONTROLLED	
HEIGHT (IN)	80000		
WIDTH (IN)	00013	DIAGNOSE TO/REPLACE LEVEL	
DEPTH (IN)	00016	PIECE PART	
POWER CONSUMPTION (W)	3.0E2	7.17 P. C. (1977.01	
DART CHAITMY CRAPF (CORPEN CLACC		FAULT CONTROL AUTOMATED OFF LINE RECO	AIR TOURA TION
PART QUALITY GRADE/SCREEN CLASS			T DETECTION
TX/883		PIANUAL TROP	1 DETECTION
COMPLEXITY		MAINTENANCE CONCEPT	
TOTAL NUMBER OF PARTS	04260	ORGANIZATIONAL	REMOVE & REPLACE
NUMBER OF DIFFERENT GENERIC PART TYPE		INTERMEDIATE	MINOR REPAIR
NUMBER OF ACTIVE ELEMENTS	01446	DEPOT	MAJOR REPAIR
ACTIVE ELEMENT COUNT		MAINTENANCE ECHELONS	
TUBES	00000	ECHELON SKILL L	
DISCRETE SEMICONDUCTORS	00147 00008	ORGANIZATION 5 INTERMEDIATE 5	001 001
HYBRID ICS LINEAR/INTERFACE ICS	00358		001
SSI/MSI DIGITAL ICS	00921	DE POT 5	001
LSI/MEMORY ICS	00012	COMPLEXITY	
MICROPROCESSORS	00000	TOTAL NUMBER OF PARTS	01400
112010111000000000	00000	NUMBER OF ACTIVE ELEMENT	
		ACTIVE ELEMENT COUNT	
		TUB ES	00000
		DISCRETE SEMICONDUCTORS	002 00
		HYBRID ICS	00015
		LINEAR/INTERFACE ICS	00029
		SSI/MSI DIGITAL ICS	00096 00010
		LSI/MEMORY ICS MICROPROCESSORS	00000
		UTCKOLY OF TO SOM	00000

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION PART DERATING GUIDELINES MISSION CRITICALITY DESIGN APPROACH ALPHANUMERIC MANUAL	212 CONTROLS/DISPLAYS INDICATOR/CONTROL 70 AIRCRAFT HIGH REL.	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION PART DERATING GUIDELINES DESIGN APPROACH ALPHANUMERIC MANUAL CONTROL	213 CONTROLS/DISPLAYS INDICATOR/CONTROL 70 AIRCRAFT HIGH REL.
CONTROL DISPLAY TECHNOLOGY ELECTROMECHANICAL		DIS PLAY TECHNOLOGY ELECTROMECHANICAL MAJOR PARAMETERS	VALUE
MAJOR PARAMETERS NO. OF CONTROLS WEICHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) FAULT TOLERANCE	VALUE 00017 00012 0.1E0 00010 00007 00006 00006 5.0E1	NO. OF CONTROLS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) FAULT TOLERANCE NOME	00009 00002 0.1E0 00004 00003 00006 00004 1.5E1
NONE PART QUALITY GRADE/SCREEN CI TXV/JAN 38510 TX/883 JAN/HERMETIC ICS	ASS	PART QUALITY GRADE/SCREEN TXV/JAN 38510 TX/883 JAN/HERMETIC ICS	CLASS
TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION OF THE TEST CAPABILITY AUTOMATED BIT	CTION)	TYPE OF COOLING AMBIENT AIR (NORMAL CONV SELF TEST CAPABILITY AUTOMATED BIT	/ECTION)
SELF TEST IMPLEMENTATION HARDWARE CONTROLLED		SELF TEST IMPLEMENTATION HARDWARE CONTROLLED DIAGNOSE TO/REPLACE LEVEL	
DIAGNOSE TO/REPLACE LEVEL PIECE PART		PIECE PART FAULT CONTROL	
FAULT CONTROL AUTOMATED OFF LINE RECONI MANUAL FAULT	FIGURATION DETECTION		ONFIGURATION LT DETECTION
INTERMEDIATE	REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR	MAINTENANCE CONCEPT ORGANIZATIONAL INTERMEDIATE DEPOT	REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR
MAINTENANCE ECHELONS ECHELON SKILL LE' ORGANIZATION 5 INTERMEDIATE 5 DEPOT 5	VEL PERSONNEL 001 001 001	MAINTENANCE ECHELONS ECHELON SKILL I ORGANIZATION 5 INTERMEDIATE 5 DEPOT 5	LEVEL PERSONNEL 001 001 001
COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS	01436 IC PART TYPES 012	COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENI NUMBER OF ACTIVE ELEMENT	
ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL, ICS LSI/MEMORY ICS MICROPROCESSORS	00000 00227 0001.5 0003.9 00089 00000	ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROFROCESSORS	00000 00056 00000 00001 00011 00000 00000

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EQUIPMENT ID	214		EQUIPMENT ID	215	
EQUIPMENT CATEGORY	CONTROLS/DIS	PLAYS	EQUIPMENT CATEGORY	CONTROLS/DI	OV A TO
EQUIPMENT TYPE	INDICATOR/CO		EQUIPMENT TYPE	INDICATOR/C	
DESIGN YEAR	70	MINOL	DESIGN YEAR	70	DRIKOD
APPLICATION	AIRCRAFT		APPLICATION	AIRCRAFT	
PART DERATING GUIDELINES	HIGH REL.		PART DERATING GUIDELIN		
DESIGN APPROACH			DESIGN APPROACH		
MANUAL			ALPHANUMER IC		
CONTROL			MANUAL		
			CONTROL		
TECHNOLOGY			DISPLAY		
ELECTROMECHANI CAL					
			TECHNOLOGY		
MAJOR PARAMETERS		VALUE	electromechanical		
NO. OF CONTROLS		00006			
WEIGHT (LBS)		10000	MAJOR PARAMETERS		VALUE
VOLUME (CU. FT.)		0.1E0	NO. OF CONTROLS		00005
NO. OF MODULES		00002	WEIGHT (LBS)		00002
HEIGHT (IN)		00002	VOLUME (CU. FT.)		0. IEO
WIDTH (IN)		00006	NO. OF MODULES		00003
DEPTH (IN)		00004	HEIGHT (IN)		00003
POWER CONSUMPTION (W)		6.0E0	WIDTH (IN)		00006
			DEPTH (IN)		00004
FAULT TOLERANCE			POWER CONSUMPTION (W)	1.1E1
NONE				•	•
			FAULT TOLERANCE		
PART QUALITY GRADE/SCREEN	CLASS		NONE		
JAN/HERMETIC ICS					
			PART QUALITY GRADE/SCR	EEN CLASS	
TYPE OF COOLING			TXV/JAN 38510		
AMBIENT AIR (NORMAL CON'	VECTION)		TX/883		
			JAN/HERMETIC ICS		
SELF TEST CAPABILITY					
NONE			TYPE OF COOLING		
			AMBIENT AIR (NORMAL	CONVECTION)	
DIAGNOSE TO/REPLACE LEVEL					
PIECE PART			SELF TEST CAPABILITY		
			AUTOMATED BIT		
FAULT CONTROL					
AUTOMATED OFF LINE RECO	ONF IGURATION		SELF TEST IMPLEMENTATION	ON	
MANUAL FAUI	LT DETECTION		HARDWARE CONTROLLED		
MAINTENANCE CONCEPT			DIAGNOSE TO/REPLACE LE	VEL	
ORGANIZATIONAL	REMOVE & REPLA	CE	PIECE PART		
INTERMEDIATE	MINOR REPAIR				
DEPOT	MAJOR REPAIR		FAULT CONTROL		
			AUTOMATED OFF LINE		
MAINTENANCE ECHELONS			MANUAL.	FAULT DETECTION	
echelon skill i		IEL			
ORGANIZATION 5	001		MAINTENANCE CONCEPT		
Intermediate 5	001		ORGANIZAT I ONAL	REMOVE & REPL	ACE
DEPOT 5	001		INTERMEDIATE	MINOR REPAIR	
			DEPOT	MAJOR REPAIR	
COMPLEXITY					
TOTAL NUMBER OF PARTS		00014	MAINTENANCE ECHELONS		
NUMBER OF DIFFERENT GENT				LL LEVEL PERSON	NEL
NUMBER OF ACTIVE ELEMENT	rs	00000	•	5 001	
				5 001	
ACTIVE ELEMENT COUNT		00000	DE POT	5 001	
TUBES		00000			
DISCRETE SEMICONDUCTORS		00000	COMPLEXITY		00000
HYBRID ICS		00000	TOTAL NUMBER OF PART		00099
LINEAR/INTERFACE ICS		00000	NUMBER OF DIFFERENT		
SSI/MSI DIGITAL ICS		00000 00000	NUMBER OF ACTIVE BLE	Menis	00028
LSI/MEMORY ICS MICROPROCESSORS		00000	ACTIVE ELEMENT COUNT		
HICKOPKOC ESSORS		00000			00000
			TUBES	AB 6	00000
			DISCRETE SEMICONDUCT	URB	00021
			HYBRID ICS		00000
			LINEAR/INTERFACE ICS		00001
			SSI/MSI DIGITAL ICS LSI/MEMORY ICS		00006
			MICROPROCESSORS		00000
			naum ravido duro		******

EQUIPMENT ID		216		EQUIPMENT ID		217	
EQUIPMENT CATEGORY	C	ONTROLS/DISP	LAYS	EQUIPMENT CATEGORY		CONTROLS/DISE	ZAYS
EQUIPMENT TYPE	I	NDICATOR/CON	TROL	EQUIPMENT TYPE		INDICATOR/CON	TROL
DESIGN YEAR	7(0		DESIGN YEAR		70	
APPLICATION	A	IRCRAFT		APPLICATION		AIRCRAFT	
PART DERATING GUIDE	LINES H	IGH REL.		PART DERATING GUIDE	LINES	HIGH REL.	
DESIGN APPROACH				DESIGN APPROACH			
MANUAL				MANUAL			
CONTROL				CONTROL			
TECHNOLOGY ELECTROMECHANICAL				TECHNOLOGY ELECTROMECHANICAL			
ELECTROPIEC MANICAL	•			EDEC INOMECUNITARE			
MAJOR PARAMETERS			VALUE	MAJOR PARAMETERS			VALUE
NO. OF CONTROLS			00013	NO. OF CONTROLS			00003
WEIGHT (LBS)			00002	WEIGHT (LBS)			00001
VOLUME (CU. FT.)			0.1E0	VOLUME (CU. FT.)			0.1E0
NO. OF MODULES			00002	NO. OF MODULES			00002
HEIGHT (IN)			00004	HEIGHT (IN)			00002
WIDTH (IN)			00007	WIDTH (IN)			00006
DEPTH (IN)			00002	DEPTH (IN)			00004
POWER CONSUMPTION	(W)		2. IE l	POWER CONSUMPTION	(W)		1.3El
FAULT TOLERANCE				FAULT TOLERANCE			
NONE				NONE			
		_					
PART QUALITY GRADE/ JAN/HERMETIC ICS	SCREEN CLAS	S		PART QUALITY GRADE/ JAN/HERMETIC ICS	SCREEN CL	ASS	
TYPE OF COOLING				TYPE OF COOLING			
AMBIENT AIR (NORM	AL CONVECTI	ON)		AMBIENT AIR (NORM.	AL CONVEC	TION)	
SELF TEST CAPABILIT	Y			SELF TEST CAPABILIT	Y		
NONE				NONE			
DIACNOSE TO/REPLACE	LEVPI.			DIAGNOSE TO/REPLACE	TEVEL		
PIECE PART				PIECE PART	20122		
FAULT CONTROL				FAULT CONTROL			
AUTOMATED OFF LIN	E RECONFICE	URATION		AUTOMATED OFF LIN	RECONF	IGURATION	
MANUAL	FAULT DE			MANUAL.		DETECTION	
MAINTENANCE CONCEPT	•			MAINTENANCE CONCEPT			
ORGANIZATIONAL	REM	OVE & REPLAC	E	ORGANIZATIONAL	R	EMOVE & REPLAC	E
INTERMEDIATE	MIN	OR REPAIR		INTERMEDIATE	H	INOR REPAIR	
DEPOT	MAJ	OR REPAIR		DEPOT	M	AJOR REPAIR	
MAINTENANCE ECHELON	s			MAINTENANCE ECHELON			
ECHELON	SKILL LEVEL	PERSONNE	:L	ECHELON	SKILL LEV	ÆL PERSONNI	EL
ORGANIZATION	5	001		ORGANIZATION	5	001	
INTERMEDIATE	5	001		INTERMEDIATE	5	001	
DEPOT	5	001		DEPOT	5	001	
COMPLEXITY				COMPLEXITY			
TOTAL NUMBER OF F			00019	TOTAL NUMBER OF PA			00014
NUMBER OF DIFFERE	NT GENERIC	PART TYPES	003	NUMBER OF DIFFERE	NT GENERI	C PART TYPES	002
NUMBER OF ACTIVE	ELEMENTS		00000	NUMBER OF ACTIVE	ELEMENTS		00000
ACTIVE ELEMENT COUN	T			ACTIVE ELEMENT COUN	r		
Tubes			00000	TUBES			00000
DISCRETE SEMICOND	UCTORS		00000	DISCRETE SEMICOND	UCTORS		00000
HYBRID ICS			00000	HYBRID ICS			00000
LINEAR/INTERFACE	ICS		00000	LINEAR/INTERFACE	ICS		00000
SSI/MSI DIGITAL I			00000	SSI/MSI DIGITAL I			00000
LSI/MEMORY ICS			00000	LSI/MEMORY ICS			00000
MICROPROCESSORS			00000	MICROPROCESSORS			00000
CHORDING EGGONG			~~~~	LITOROLVO EN 20K2			~~~

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION PART DERATING GUIDELINES	218 COMPUTER 70 AIRCRAFT HIGH REL.		COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT CENERIC NUMBER OF ACTIVE ELEMENTS	01320 PART TYPES 012 00465	
DESIGN APPROACH			ACTIVE ELEMENT COUNT TUBES	00000	
SERIAL PARALLEL PARITY CHECKING ERROR CORRECTION ANALOC DIGITAL DEDICATED			DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS	00188 00000 00042 00217 00018 00000	
TECHNOLOGY SEMICONDUCTOR					
MAJOR PARAMETERS CLOCK FREQ (HZ) WORD LENGTH (CHAR) MEMORY SIZE (WORDS) INTERRUPT LEVELS NO. OF BUSSES NO. OF REGISTERS NO. OF ACCUMULATORS NO. OF INPUT PORTS NO. OF OUTPUT PORTS		VALUE 2.0E6 00016 1.1E3 00002 00002 00006 00002 00016	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH DISPLAY	219 CONTROLS/DISPLAYS INDICATOR/CONTROL 70 AIRCRAFT	
WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)		00015 0.3E0 00016 00011 00007 00008 8.0E1			
FAULT TOLERANCE NONE			EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	220 CONTROLS/DISPLAYS INDICATOR/CONTROL 70	
PART QUALITY GRADE/SCREEN JAN/HERMETIC ICS	CLASS		APPLICATION DESIGN APPROACH	AIRCRAFT	
TYPE OF COOLING FORCED AIR (FAN)			DISPLAY MAJOR PARAMETERS	VALU	iF.
SELF TEST CAPABILITY AUTOMATED BIT SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS			WEIGHT (LBS) WOLUME (CU. PT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)	0000 0 - 18 0000 0000 0000 1 - 88	20 33 33 99
DIAGNOSE TO/REPLACE LEVEL PIECE PART					
FAULT CONTROL AUTOMATED ON LINE NONE AUTOMATED OFF LINE RECO					
MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT	NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR				
MAINTENANCE ECHELONS ECHELON SKILL I ORGANIZATION 3 INTERNEDIATE DE POT	LEVEL PERSONNEL 001 001 001				

FQUIPMENT ID	221	FQUIPMENT ID	226
EQUIPMENT CATEGORY	ECM/EW	EQUIPMENT CATEGORY	ECM/EW
EQUIPMENT TYPE	FILTER	EQUIPMENT TYPE	ANTENNA
DESIGN YEAR	70	DESIGN YEAR	70
APPLICATION	AIRCRAFT	APPLICATION	AIRCRAFT
	VALUE	DESIGN APPROACH	
MAJOR PARAMETERS	00007	FREQ SCAN	
WEIGHT (LBS)			
VOLUME (CU. FT.)	0.1E0 00010	MAJOR PARAMETERS	VALUE
NO. OF MODULES	00010	WEIGHT (LBS)	00002
HEIGHT (IN)	00003	VOLUME (CU. FT.)	0.1E0
WIDTH (IN)	00011	NO. OF MODULES	00001
DEPTH (IN) POWER CONSUMPTION (W)	6.5E1	HEIGHT (IN)	80000
POWER CONSONITION (W)	5.5 <u>2.</u>	WIDTH (IN)	00014
		DEPTH (IN)	00001
EQUIPMENT ID	222		
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION	EQUIPMENT ID	227
EQUIPMENT TYPE	TRANSC EI VER	EQUIPMENT CATEGORY	ECM/EW
DESIGN YEAR	70	EQUIPMENT TYPE	ANTENNA
APPLICATION	AIRCRAFT	DESIGN YEAR	70
MAJOR PARAMETERS	*** * ***	APPLICATION	AIRCRAFT
WEIGHT (LBS)	VALUE		nanomi i
VOLUME (CU. FT.)	00029	MAJOR PARAMETERS	VALUE
HEIGHT (IN)	0.5E0 00007	WEIGHT (LBS)	00003
WIDTH (IN)	00007	VOLUME (CU. FT.)	0.1E0
DEPTH (IN)	00017	NO. OF MODULES	00001
POWER CONSUMPTION (W)	1.6E2	HEICHT (IN)	00006
(,	17022	WIDTH (IN)	00006
	***	DEPTH (IN)	00016
EQUIPMENT ID	223		
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION	EQUIPMENT ID	228
EQUIPMENT TYPE	INDICATOR/CONTROL	EQUIPMENT CATEGORY	ECM/EN
DESIGN YEAR APPLICATION	70 AIRCRAFT	EQUIPMENT TYPE	MULTIPLE XOR / DEMULTIPLE XOR
	ALMOIGH I	DESIGN YEAR	70
		DESIGN YEAR APPLICATION	70 Aircraft
MAJOR PARAMETERS	VALUE	APPLICATION	AIRCRAFT
MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00001	APPLICATION MAJOR PARAMETERS	AIRCRAFT VALUE
MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.)	VALUE 00001 0.1E0	APPLICATION MAJOR PARAMETERS WEIGHT (LBS)	AIRCRAFT VALUE 00004
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN)	VALUE 00001 0.1E0 00001	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.)	AIRCRAFT VALUE 00004 0-1E0
MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.)	VALUE 00001 0.1E0	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES	AIRCRAFT VALUE 00004 0.1E0 00001
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN)	VALUE 00001 0.1E0 00001 00003	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004
MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.) HEICHT (IN) WIDTH (IN) DEPTH (IN)	VALUE 00001 0.1E0 00001 00003 00002	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004
MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID	VALUE 00001 0.1E0 00001 00003 00002	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY	VALUE 00001 0.1E0 00001 00003 00002	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004
MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID	VALUE 00001 0.1E0 00001 00003 00002	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID	VALUE 00004 0.1E0 00001 00004 00004 00009
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRCRAFT	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	VALUE 00004 0.1E0 00001 00004 00004 00009
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EM TRANSCEIVER
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00009 229 ECM/EM TRANSCEIVER 70 AIRCRAFT
MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.) HEICHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EM TRANSCEIVER 70 AIRCRAFT VALUE
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EW TRANSCEIVER 70 AIRCRAFT VALUE 00031
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EM TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC. UME (CU. FT.) NO. OF MODULES	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00009 229 ECM/EH TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT ID EQUIPMENT CATEGORY	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC. UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EW TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) MIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT TYPE	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA 70	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)	VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EW TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) MIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA 70	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC. UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	AIRCRAFT VALUE 00004 0.1E0 00001 00004 00009 229 ECM/EH TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT ITYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA 70 AIRCRAFT	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC. UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID	VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA 70 AIRCRAFT	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC. UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT ID EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR	VALUE 00004 0.1E0 00001 00001 00004 00009 229 ECM/EH TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT ITYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EM 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EM ANTENNA 70 AIRCRAFT VALUE 00002	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT ID EQUIPMENT TYPE	VALUE 00004 0.1E0 00001 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HOLORED TO THE PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HOLORED TO THE PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	VALUE 00004 0.1E0 00001 00004 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 0.05E0 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EM 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EM ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0 00001 00008 00014	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (IN) WIDTH (IN) DEPTH (IN) MUDTH (IN) MUDTH (IN) MUDTH (IN) MUDTH CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS	VALUE 00004 0.1E0 00001 00004 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT VALUE
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HOLORED TO THE PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HOLORED TO THE PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EW 70 AIRGRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EW ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0 00001 00008	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC. UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00004 0.1E0 00001 00004 00009 229 ECM/EH TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT VALUE 00001
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EM 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EM ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0 00001 00008 00014	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	VALUE 00004 0.1E0 00001 00004 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT VALUE 00001 0.1E0
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EM 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EM ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0 00001 00008 00014	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES	VALUE 00004 0.1E0 00001 00001 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT VALUE 00001 0.1E0 00001
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EM 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EM ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0 00001 00008 00014	APPLICATION MAJOR PARAMETERS VEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (IN) WIDTH (IN) EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (LBS) VOLUME (CU. FT.)	VALUE 00004 0.1E0 00001 00004 00004 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT VALUE 00001 0.1E0 00001 0.0E0
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES POWER CONSUMPTION (W) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00001 0.1E0 00001 00003 00002 224 ECM/EM 70 AIRCRAFT VALUE 00056 0.5E0 00038 1.7E2 225 ECM/EM ANTENNA 70 AIRCRAFT VALUE 00002 0.1E0 00001 00008 00014	APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VC: UME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) EQUIPMENT ID EQUIPMENT ID EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES	VALUE 00004 0.1E0 00001 00001 00004 00009 229 ECM/EN TRANSCEIVER 70 AIRCRAFT VALUE 00031 0.5E0 00033 00006 00008 00017 230 ECM/EN INDICATOR/CONTROL 70 AIRCRAFT VALUE 00001 0.1E0 00001

EQUIPMENT ID	231		EQUIPMENT ID	236	
EQUIPMENT CATEGORY	ECM/EW		EQUIPMENT CATEGORY	ECM/EW	
DESIGN YEAR	70		EQUIPMENT TYPE	SICNAL/DATA	PROCESSOR
APPLICATION	AIRCRAFT		DESIGN YEAR	70	
DESIGN APPROACH			APPLICATION	AIRCRAFT	
MULTIMODE CAPABILITY			MAJOR PARAMETERS		VALUE
PULSED			WEIGHT (LBS)		00050
MULTICHANNEL/MULTIFREQUE	NCY		VOLUME (CU. FT.)		1.5EC
			NO. OF MODULES		00007
TECHNOLOGY			HEIGHT (IN)		00013
TWT			WIDTH (IN) DEPTH (IN)		00008 00025
MAJOR PARAMETERS		VALUE	DD1111 (147)		30023
VOLUME (CU. FT.)		6.5E0	COLLY THE CASE AND	007	
NO. OF MODULES		00045	EQUIPMENT ID EQUIPMENT CATEGORY	237 ECM/EW	
POWER CONSUMPTION (W)		7.2E3	EQUIPMENT TYPE	SIGNAL/DATA	PROCESSOR
			DESIGN YEAR	70	
EQUIPMENT ID	232		APPLICATION	. IRCRAFT	
EQUIPMENT CATEGORY	ECM/EW				
EQUIPMENT TYPE	I/O DEVICE		MAJOR PARAMETERS		VALUE
DES LON YEAR	70		WEIGHT (LBS) VOLUME (CU. FT.)		00054 1.5E0
A PLICATION	AIRCRAFT		NO. OF MODULES		00007
WA NOT DARAMETERS		VALUE	HEIGHT (IN)		00013
MAJOR PARAMETERS VOLUME (CU. FT.)		0.1E0	WIDTH (IN)		80000
NO. OF MODULES		00001	DEPTH (IN)		00025
1100 00 11000000					
			EQUIPMENT ID	238	
EQUIPMENT ID	233		EQUIPMENT CATEGORY	ECM/EW	
EQUIPMENT CATEGORY	ECM/EW		DESIGN YEAR	70 AIRCRAFT	
EQUIPMENT TYPE	I/O DEVICE		APPLICATION	AIRCRAFI	
DESIGN YEAR APPLICATION	70		MAJOR PARAMETERS		VALUE
APPLICATION	AIRCRAFT		WEIGHT (LBS)		00142
MAJOR PARAMETERS		VALUE	VOLUME (CU. FT.)		2.4E0
VOLUME (CU. FT.)		0. IEO	NO. OF MODULES		00093
NO. OF MODULES		00001	POWER CONSUMPTION (W)		6.8E0
			EQUIPMENT ID	239	
EQUIPMENT ID	234		EQUIPMENT CATEGORY	ECM/EW	
EQUIPMENT CATEGORY	ECM/EW		EQUIPMENT TYPE	ANTENNA	
EQUIPMENT TYPE	AMPLIFIER, RF		DESIGN YEAR	70	
DESIGN YEAR APPLICATION	AIRCRAFT		APPLICATION	AIRCRAFT	
nt i Dadii a di					*** * ****
TECHNOLOGY			MAJOR PARAMETERS		VALUE 0-1E0
TWT			VOLUME (CU. FT.) NO. OF MODULES		00001
MAJOR PARAMETERS		VALUE			
WEIGHT (LBS)		00062	EQUIPMENT ID	240	
VOLUME (CU. FT.)		1.5E0	EQUIPMENT CATEGORY	ECM/EN	
NO. OF MODULES		00012	EQUIPMENT TYPE DESIGN YEAR	INDICATOR/CON	TROL
HEIGHT (IN)		00013	APPLICATION	AIRCRAFT	
WIDTH (IN)		00008		7,55,044 7	
DEPTH (IN)		00025	DESIGN APPROACH		
EQUIPMENT ID	235		CONTROL		
EQUIPMENT CATEGORY	echi/en		MA MD DADAMENTO		
EQUIPMENT TYPE	AMPLIFIER, RE		MAJOR PARAMETERS WEIGHT (LBS)		VALUE 00002
DESIGN YEAR	70		VOLUME (CU. FT.)		0.1E0
APPLICATION	AIRCRAFT		NO. OF MODULES		00001
TECHNOLOGY			HEICHT (IN)		00004
TWT			WIDTH (IN)		00006
			DEPTH (IN)		00003
MAJOR PARAMETERS		VALUE			
WEIGHT (LBS)		00054 1 • 5E0			
WOLUME (CU. FT.) WO. OF MODULES		00012			
HEICHT (IN)		00012			
AIDLE (IN)		80000			
DEPTH (IN)		00025			

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	241 ECM/EW INDICATOR/CONTROL 70 AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	247 ECM/EW POWER SUPPLY 70 AIRCRAFT
DESIGN APPROACH		MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00031
MAJOR PARAMETERS	VALUE 00001	VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)	0.7E0 00015 00006
WEIGHT (LBS) VOLUME (CU. FT.)	0.1E0	WIDTH (IN)	00018
NO. OF MODULES	00001	DEPTH (IN)	11000
HEIGHT (IN)	00001	-	
WIDTH (IN)	00006	EOUIPMENT ID	249
DEPTH (IN)	00003	EQUIPMENT CATEGORY	ECM / EW
		EQUIPMENT TYPE	RECEIVER
EQUIPMENT ID	242	DESIGN YEAR	70
EQUIPMENT CATEGORY	ECM/EW INDICATOR/CONTROL	APPLICATION	AIRCRAPT
EQUIPMENT TYPE DESIGN YEAR	70	MAJOR PARAMETERS	VALUE
APPLICATION	AIRCRAFT	WEIGHT (LBS)	00026
-		VOLUME (CU. FT.)	0.3E0
DESIGN APPROACH		NO. OF MODULES	00015
DISPLAY		HEIGHT (IN)	00008
MAJOR PARAMETERS	VALUE	WIDTH (IN)	00009
WEIGHT (LBS)	00011 0.3E0	DEPTH (IN)	00007
VOLUME (CU. FT.)	00011	EQUIPMENT ID	250
NO. OF MODULES HEIGHT (IN)	00005	EQUIPMENT CATEGORY	RADAR
WIDTH (IN)	00006	DESIGN YEAR	70
DEPTH (IN)	00015	APPLICATION	AIRCRAFT
EQUIPMENT ID	243		
EQUIPMENT CATEGORY	ECM/EW	DESIGN APPROACH	
EQUIPMENT TYPE	ANTENNA	DOPPLER	
DESIGN YEAR	70 AIRCRAFT	FIRE CONTROL	,
APPLICATION		MAJOR PARAMETERS	VALUE
MAJOR PARAMETERS	VALUE	WEIGHT (LBS)	00495
VOLUME (CU. FT.)	0.1E0 90001	VOLUME (CU. FT.)	9-0E0 00134
NO. OF MODULES		NO. OF MODULES POWER CONSUMPTION (W)	1-1E4
EQUIPMENT ID	244	20.00	
EQUIPMENT CATEGORY	ECM / EW ANTE NNA	EQUIPMENT ID	248
EQUIPMENT TYPE DESIGN YEAR	70	EQUIPMENT CATEGORY	ECM / EW
APPLICATION	AIRCRAFT	EQUIPMENT TYPE	RECEIVER
	VALUE	DESIGN YEAR APPLICATION	70 AIRCRAFT
MAJOR PARAMETERS VOLUME (CU. FT.)	0.1E0	WEI DECULTOR	
NO. OF MODULES	00001	MAJOR PARAMETERS	VALUE
EQUIPMENT ID	245	WEIGHT (LBS)	00052 1.3E0
EQUIPMENT CATEGORY	ECM/EW	VOLUME (CU. FT.) NO. OF MODULES	00045
EQUIPMENT TYPE	ANTENNA 70	HEIGHT (IN)	00007
DESIGN YEAR	70	WIDTH (IN)	00018
APPLICATION	AIRCRAFT	DEPTH (IN)	00018
		EQTIPMENT ID	251
MAJOR PARAMETERS	VALUE 0.1E0	EQUIPMENT CATEGORY	RADAR
WOLUME (CU. FT.)	0. IEO 00001	EQUIPMENT TYPE	INTERCONNECTION /DISTRIBUTION
		DESIGN YEAR	70
EQUIPMENT ID	246 PCM / PU	APPLICATION MAJOR PARAMETERS	AIRCRAFT
EQUIPMENT CATEGORY EQUIPMENT TYPE	ecm/ew Antenna	NO. OF MODULES	VALUE 00001
DESIGN YEAR	ANTENNA 70		
A PPLICATION	AIRCRAFT	EQUIPMENT ID	252 PADAR
		EQUIPMENT CATEGORY EQUIPMENT TYPE	RADAR INTERCONNECTION/DISTRIBUTION
MAJOR PARAMETERS	VALUE	DESIGN YEAR	70
WOLUME (CU. PT-) WO. OF MODULES	0.1E0 00001	APPLICATION	AIRCRAFT
	00001	MA TOD TANKA	
		MAJOR PARAMETERS NO. OF MODULES	VALUE 00001
	6_0		0001

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	253 RADAR INTERCONNECTION/DISTRIBUTION 70 AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	260 RADAR SIGNAL/DATA PROCESSOR 70
MAJOR PARAMETERS NO. OF MODULES	VALUE 00001	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	AIRCRAPT VALUE 00040 1.0E0
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	254 RADAR INTERCONNECTION/DISTRIBUTION 70	NO. OF MODULES HEIGHT (IN) WIDTH (IN)	00049 00007 00016
APPLICATION	AIRCRAFT	DEPTH (IN) EQUIPMENT ID	00017 261
MAJOR PARAMETERS NO. OF MODULES	VALUE 00001	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	RADAR SIGNAL/DATA PROCESSOR 70
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	255 RADAR INTERCONNECTION/DISTRIBUTION	APPLICATION	AIRCRAFT
DESIGN YEAR APPLICATION	70 AIRCRAFT	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	VALUE 00026 0.9E0
MAJOR PARAMETERS NO. OF MODULES	VALUE 00001	NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)	00006 00010 00011 00013
EQUIPMENT ID EQUIPMENT CATEGORY	256 Radar		
EQUIPMENT TYPE DESIGN YEAR APPLICATION	INTERCONNECTION /DISTRIBUTION 70 AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	262 RADAR FREQ/TIMING CENERATOR 70
MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00010	APPLICATION	AIRCRAFT
NO. OF MODULES	00001	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	VALUE 00026
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	257 RADAR ANTENNA	NO. OF MODULES HEIGHT (IN) WIDTH (IN)	1.0E0 00005 00007 00023
DESIGN YEAR APPLICATION	70 AIRCRAFT	DEPTH (IN)	00011
MAJOR PARAMETERS	VALUE	EQUIPMENT ID EQUIPMENT CATEGORY	263 RADAR
WEIGHT (LBS) NO. OF MODULES EQUIPMENT ID	00107 00003 258	BQUIPMENT TYPE DESIGN YEAR APPLICATION	POWER SUPPLY 70 AIRCRAFT
EQUIPMENT CATEGORY EQUIPMENT TYPE	RADAR INDICATOR/CONTROL	MISSION CRITICALITY MAJOR PARAMETERS	HIGH
DESIGN YEAR APPLICATION	70 Aircraft	WEIGHT (LBS)	VALUE 00041
MISSION CRITICALITY MAJOR PARAMETERS	HIGH VALUE	VOLUME (CU. FT.) NO. OF MODULES REIGHT (IN)	1 - 1E 0 0000 5 000 1 0
WEIGHT (LBS) VOLUME (CU. FT.)	00003 0.7E0	WIDTH (IN) DEPTH (IN)	00016
NO. OF MODULES HEIGHT (IN) WIDTH (IN)	00001 00007 00005	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	264 RADAR RECE IVER
DEPTH (IN) EQUIPMENT ID EQUIPMENT CATEGORY	00004 259 RADAR	DESIGN YEAR APPLICATION MISSION CRITICALITY	70 Aircraft High
EQUIPMENT TYPE DESIGN YEAR APPLICATION	SIGNAL/DATA PROCESSOR 70 AIRCRAPT	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	VALUE 00026 0.7E0
MAJOR PARAMETERS WEIGHT (LBS)	VALUE 0004 1	NO. OF MODULES HEIGHT (IN) WIDTH (IN)	00008 00007
VOLUME (CU- PT-) NO. OF MODULES HEIGHT (IN)	1 - 28 0 00042 00007	DEPTH (IN)	00016 00011
WIDTH (IN) DEPTH (IN)	00016 00019		

EQUIPMENT ID	265		EQUIPMENT ID	270
EQUIPMENT CATECORY	RADAR		EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	TRANSM ITTER		EQUIPMENT TYPE	
DESIGN YEAR	70		DESIGN YEAR	SIGNAL/DATA PROCESSOR
APPLICATION	AIRCRAFT		APPLICATION	AIRCRAFT
MISSION CRITICALITY	HICH			
MA POR TARAMETERS		VALUE	MAJOR PARAMETERS	VALUE
MAJOR PARAMETERS WEICHT (LBS)		00173	WEIGHT (LBS)	00040
VOLUME (CU. FT.)		3.1E0	VOLUME (CU. FT.)	1.0E0
NO. OF MODULES		00009	NO. OF MODULES	00049
HEIGHT (IN)		00010	HEIGHT (IN)	00007
WIDTH (IN)		00031	WIDTH (IN)	00016
DEPTH (IN)		00017	DEPTH (IN)	00017
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			EQUIPMENT ID	271
TYPE OF COOLING			EQUIPMENT CATEGORY	RADAR
LIQUID			EQUIPMENT TYPE	SIGNAL/DATA PROCESSOR
			DESIGN YEAR	70
COULDMENT ID	266		APPLICATION	AIRCRAFT
EQUIPMENT ID	RADAR			ALROIGH 1
EQUIPMENT CATECORY DESIGN YEAR	70		MAJOR PARAMETERS	VALUE
APPLICATION	AIRCRAFT		WEIGHT (LBS)	00026
AFFEIGRION			VOLUME (CU. FT.)	0.9E0
DESIGN APPROACH			NO. OF MODULES	00006
DOPPLER			HEIGHT (IN)	00010
FIRE CONTROL			WIDTH (IN)	00011
TIME CONTROL			DEPTH (IN)	00013
TECHNOLOGY				
TWT				
			EQUIPMENT ID	272
ACTIVE ELEMENT COUNT			EQUIPMENT CATEGORY	RADAR
DISCRETE SEMICONDUCTORS		01 700	EQUIPMENT TYPE	FREQ/TIMING GENERATOR
HYBRID ICS		00172	DESIGN YEAR	70
LINEAR/INTERFACE ICS		00157 06650	APPLICATION	AIRCRAFT
SSI/MSI DIGITAL ICS		00000		072
EQUIPMENT ID	267		EQUIPMENT ID	273
EQUIPMENT CATEGORY	RADAR		EQUIPMENT CATEGORY	RADAR POWER SUPPLY
EQUIPMENT TYPE	ANTENNA		EQUIPMENT TYPE DESIGN YEAR	70
DESIGN YEAR	70		APPLICATION	AIRCRAFT
APPLICATION	AIRCRAFT		ALL DECITION	
			MAJOR PARAMETERS	VALUE
MAJOR PARAMETERS		VALUE	WEIGHT (LBS)	00041
WEIGHT (LBS)		00107	WOLUME (CU. FT.)	1.1E0
NO. OF MODULES		00003	NO. OF MODULES	00005
			HEIGHT (IN)	00010
EQUIPMENT ID	268		WIDTH (IN)	00011
EQUIPMENT CATEGORY	RADAR	m 67	DEPTH (IN)	00016
EQUIPMENT TYPE	INDICATOR/CONT	KOL		
DESIGN YEAR APPLICATION	70 AIRCRAFT		EQUIPMENT ID	274
AFFLICATION	AIRCAAF I		EQUIPMENT CATEGORY	RADAR
MAJOR PARAMETERS		VALUE	EQUIPMENT TYPE	rec e i ver
WEIGHT (LBS)		00003	DESIGN YEAR	70
VOLUME (CU. FT.)		0.7E0	APPLICATION	AIRCRAFT
NO. OF MODULES		00001		
HEIGHT (IN)		00007	MAJOR PARAMETERS	VALUE
WIDTH (IN)		00005	WEIGHT (LBS)	00026
DEPTH (IN)		00004	WOLUME (CU. FT.)	0.7E0
• • •			NO. OF MODULES	80000
	***		HEIGHT (IN)	00007 00016
EQUIPMENT ID	269		WIDTH (IN) DEPTH (IN)	00011
EQUIPMENT CATEGORY	RADAR	0.00	~~~ (all)	00011
EQUIPMENT TYPE	SIGNAL/DATA P	KUL ESSUK		
DESIGN YEAR	70		EQUIPMENT ID	275
APPLICATION	AIRCRAFT		EQUIPMENT CATEGORY	RADAR
MAJOR PARAMETERS		UAT ITE	EQUIPMENT TYPE	TRANSMITTER
WEIGHT (LBS)		VALUE 00041	DESIGN YEAR	70
VOLUME (CU. FT.)		1.2E0	APPLICATION	AIRCRAFT
NO. OF MODULES		00042		
HEIGHT (IN)		00007		
WIDTH (IN)		00016		
DEPTH (IN)		00019		

DOMESTIC TO		276		EQUIPMENT ID		
EQUIPMENT ID EQUIPMENT CATEGORY		COMMUNICATIONS		EQUIPMENT CATEGORY	281	
PESIGN YEAR		70		EQUIPMENT TYPE	COMMUNICAT COMPUTER	1085
APPLICATION		AIRCRAFT		DESIGN YEAR	70	
				APPLICATION	AIRCRAFT	
DESIGN APPROACH						
TRANS PONDER/IFF				MAJOR PARAMETERS		VALUE
TRANSCEIVER				WEIGHT (LBS)		00011
*** *** ***			VALUE	VOLUME (CU. FT.)		0.2E0
MAJOR PARAMETERS			00048	HEIGHT (IN)		00007
WEIGHT (LBS)			00048	WIDTH (IN) DEPTH (IN)		00005
VOLUME (CU. FT.)			0.9E0	POWER CONSUMPTION (W)		80000
NO. OF MODULES			00014	TOWAR CONSUMITION (#)		3.0E1
POWER CONSUMPTION	(W)		2.1E2	EQUIPMENT ID		
				EQUIPMENT CATEGORY	282 COMMUNICAT	TONG
EQUIPMENT ID		277	•	EQUIPMENT TYPE	TRANSCEIVE	
EQUIPMENT CATEGORY		COMMUNICATIONS COMPUTER	•	DESIGN YEAR	70	N.
EQUIPMENT TYPE DESIGN YEAR		70		APPLICATION	AIRCRAFT	
APPLICATION		AIRCRAFT				
				DESIGN APPROACH		
L'AJOR PARAMETERS			VALUE	TRANS PONDER / IFF		
WEIGHT (LBS)			00012	TRANSCEIVER		
WOLUME (CU. FT.)			0.2EO			
HEIGHT (IN)			00007	EQUIPMENT ID	283	
WIDTH (IN)			00005	EQUIPMENT CATEGORY	COMMUNICATIO	ONS
DEPTH (IN) POWER CONSUMPTION	(U)		00008 3.5E1	EQUIPMENT TYPE	FILTER	
POWER CONSONTITON	(")		3.361	DESIGN YEAR	70	
COULDWENT IN		278		APPLICATION	AIRCRAFT	
EQUIPMENT ID EQUIPMENT CATEGORY		COMMUNICATIONS		MA TOD DADALONS		
EQUIPMENT TYPE		SIGNAL/DATA PR		MAJOR PARAMETERS		VALUE
DESIGN YEAR		70		WEIGHT (LBS) VOLUME (CU. FT.)		00001
APPLICATION		AIRCRAFT		NO. OF MODULES		0.1E0
				HEIGHT (IN)		00001 00002
MAJOR PARAMETERS			VALUE	WIDTH (IN)		00002
WEIGHT (LBS)			00018	DEPTH (IN)		00002
VOLUME (CU. FT.)			0.4E0			
NO. OF MODULES			00007 00008	COMPLEXITY		
HEIGHT (IN) WIDTH (IN)			00005	TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER	*** ***	00022
DEPTH (IN)			00018	NUMBER OF ACTIVE ELEMENTS	IC PART TYPES	
,,,				THE ST NOTICE ELEMENTS	,	80000
EQUIPMENT ID		279		ACTIVE ELEMENT COUNT		
EQUIPMENT CATEGORY		COMMUNICATIONS TRANSCEIVER		TUBES		00000
EQUIPMENT TYPE DESIGN YEAR		70		DISCRETE SEMICONDUCTORS		00007
APPLICATION		AIRCRAFT				
DESIGN APPROACH				HYBRID ICS		00000
RADIO				LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS		00001
Trans ponder / IFF				LSI/MEMORY ICS		00000
TRANSCEIVER NAJOR PARAMETERS			VALUE	MICROPROCESSORS		00000 00000
WEIGHT (LBS)			00018			00000
VOLUME (CU. FT.)			0.4E0	EQUIPMENT ID	284	
NO. OF MODULES			00006	EQUIPMENT CATEGORY	COMMUNICATION	NS
HEIGHT (IN)			80000	DESIGN YEAR	70	
WIDTH (IN)			00005 00018	APPLICATION	AIRCRAFT	
DEPTH (IN) POWER CONSUMPTION	/U)		1.7E2			
FOWER CONSCIPTION	(#/			DESIGN APPROACH		
TQUIPMENT ID		280		SECURE COMMUNICATION/VOCOL	定	
equipment category		COMMUNICATIONS		Transcei ver		
DESIGN YEAR		70				
APPLICATION DESIGN APPROACH		AIRCRAFT				
TRANSPONDER/IFF						
Transceiver						
MAJOR PARAMETERS			VALUE			
WEIGHT (LBS)			00014			
VOLUME (CU. FT.)			0.2E0			
NO. OF MODULES			00001 00006			
HRIGHT (IN) WIDTH (IN)			00006			
DEPTH (IN)			00011			
POWER CONSUMPTION	(W)		6.4E1			
				c 00		

EQUIPMENT ID	285		EQUIPMENT ID	290	
EQUIPMENT CATEGORY	COMMUNICATIONS		EQUIPMENT CATEGORY	COMMUNICATIO	ONS
EQUIPMENT TYPE	ANTENNA		EQUIPMENT TYPE	RECEIVER	
DESIGN YEAR	70		DESIGN YEAR	70	
APPLICATION	AIRCRAFT		APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VA	LUE	DESIGN APPROACH		
WEICHT (LBS)	00	002	RADIO		
VOLUME (CU. FT.)	0.	1E0	RECEIVER		
NO. OF MODULES	00	001			
HEIGHT (IN)		8008	TECHNOLOGY		
WIDTH (IN)		007	AM		
DEPTH (IN)	00	0003			
			MAJOR PARAMETERS		VALUE
EQUIPMENT ID	286		FREQ BAND		UHF
EQUIPMENT CATEGORY	COMMUNICATIONS		WEIGHT (LBS)		00013
EQUIPMENT TYPE	INDICATOR/CONTROL		VOLUME (CU. FT.)		0.2EO
DESIGN YEAR	70		NO. OF MODULES		00006
APPLICATION	AIRCRAFT		HEIGHT (IN)		00007
A PPROACT			WIDTH (IN)		00006
DESIGN APPROACH			DEPTH (IN)		00010
CONTROL			POWER CONSUMPTION (W)		2.7El
EQUIPMENT ID	287		PART QUALITY GRADE/SCREEN	CLASS	
EQUIPMENT CATEGORY	COMMUNICATIONS		TXV/JAN 38510		
EQUIPMENT TYPE	INDICATOR/CONTROL		TX/883		
DESIGN YEAR	70				
APPLICATION	AIRCRAFT		TYPE OF COOLING		
			AMBIENT AIR (NORMAL CO	(VECTION)	
DESIGN APPROACH					
CONTROL			COMPLEXITY		
	V	ALUE	TOTAL NUMBER OF PARTS		00417
MAJOR PARAMETERS		0001	NUMBER OF DIFFERENT GET		011
WEIGHT (LBS)		. 1EO	NUMBER OF ACTIVE ELEMEN	VTS	00115
VOLUME (CU. FT.)	00	0001			
NO. OF MODULES	Q	1000	ACTIVE ELEMENT COUNT		
HEIGHT (IN)	O	0002	TUBES	_	00000
WIDTH (IN) DEPTH (IN)	0	0005	DISCRETE SEMICONDUCTORS	;	00101
DEFIN (IN)			HYBRID ICS		00014
			LINEAR/INTERFACE ICS		00000
EQUIPMENT ID	288		SSI/MSI DIGITAL ICS LSI/MEMORY ICS		00000
EQUIPMENT CATEGORY	COMMUNICATIONS		MICROPROCESSORS		00000
EQUIPMENT TYPE	FILTER		EQUIPMENT ID	291	00000
DESIGN YEAR	70		EQUIPMENT CATEGORY	COMMUNICATIO	NS
APPLICATION	AIRCRAFT		EQUIPMENT TYPE	TRANSCEIVER	
			DESIGN YEAR	70	
MAJOR PARAMETERS		VALUE	APPLICATION	AIRCRAFT	
			DESIGN APPROACH		
WEIGHT (LBS)	U	00001	RADIO		
EQUIPMENT ID	289		TRANSCEIVER TECHNOLOGY		
EQUIPMENT CATEGORY	COMMUNICATIONS		MA		
EQUIPMENT TYPE	CODER/DECODER		WIDE BAND		
DESIGN YEAR	70		MAJOR PARAMETERS		VALUE
APPLICATION	AIRCRAFT		FREQ BAND		UHF
			RECEIVER SENSITIVITY (U	/ }	6.0E0
DESIGN APPROACH			WEIGHT (LBS)		00029
SECURE COMMUNICATION	VOCODE		VOLUME (CU. FT.)		0.5E0
			NO. OF MODULES HEIGHT (IN)		00010 00007
MAJOR PARAMETERS		VALUE	WIDTH (IN)		00007
WEIGHT (LBS)		00016	DEPTH (IN)		00015
VOLUME (CU. FT.)		0.3E0	POWER CONSIMPTION (W)		2.3E2
NO. OF MODULES		00001 00005	COMPLEXITY		
HEIGHT (IN)		80000	TOTAL NUMBER OF PARTS		00822
WIDTH (IN)		00011	NUMBER OF DIFFERENT GEN	ERIC PART TYPES	013
DEPTH (IN) POWER CONSUMPTION (W)		6.0E1	NUMBER OF ACTIVE ELEMEN	rs	00194
IONER CONSCITATOR (W)		- '	ACRETIC DI TIONE COLOR		
			ACTIVE ELEMENT COUNT		00001
			TUBES DISCRETE SEMICONDUCTORS		00001 001 79
			HYBRID ICS		00179
			LINEAR/INTERFACE ICS		00000
			SSI/MSI DIGITAL ICS		00000
			LSI/MEMORY ICS		00000
			MICROPROCESSORS		00000
		c	100		

EQUIPMENT ID	292		EQUIPMENT ID	294	
EQUIPMENT CATEGORY	COMPUTER		EQUIPMENT CATEGORY	GUIDANCE/NAVI	
EQUIPMENT TYPE	COMPUTER		EQUIPMENT TYPE	SICNAL/DATA P	KOCKSSOK
DESIGN YEAR	70		DESIGN YEAR	70	
APPLICATION	AIRCRAFT		APPLICATION	AIRCRAFT	
MAJOR PARAMETERS		VAT IT	DESIGN APPROACH		
WEIGHT (LBS)		00016	DICITAL		
VOLUME (CU. FT.)		0.3E0	GENERAL PURPOSE	•	
NO. OF MODULES		00001			
HEICHT (IN)		00007	TECHNOLOGY		
WIDTH (IN)		00006	SEMICONDUCTOR		
DEPTH (IN)		00013			
POWER CONSUMPTION (W)		7.OE1	MAJOR PARAMETERS		VALUE
			MEMORY SIZE (WORDS)		7.7E2
SELF TEST CAPABILITY			NO. OF INPUT PORTS		00006
SEMI AUTOMATED BIT			NO. OF OUTPUT PORTS		00004
			WEIGHT (LBS)		00014
COMPLEXITY			VOLUME (CU. FT.)		0.2E0
TOTAL NUMBER OF PARTS		01047	NO. OF MODULES		00012
NUMBER OF DIFFERENT GENER	IC PART TYPES	017	HEIGHT (IN)		00006
NUMBER OF ACTIVE ELEMENTS		00471	WIDTH (IN)		80000
			DEPTH (IN)		00010
ACTIVE ELEMENT COUNT					
TUBES		00000	COMPLEXITY		
DISCRETE SEMICONDUCTORS		00096	TOTAL NUMBER OF PARTS		01340
HYBRID ICS		00009	NUMBER OF DIFFERENT CENER	IC PART TYPES	
LINEAR/INTERFACE ICS		00055	NUMBER OF ACTIVE ELEMENTS		00543
SSI/MSI DIGITAL ICS		00307			
LSI/MEMORY ICS		00025	ACTIVE ELEMENT COUNT		
MICROPROCESSORS		00000	TUBES		00000
			DISCRETE SEMICONDUCTORS		00246
			HYBRID ICS		00009
			LINEAR/INTERFACE ICS		00077
			SSI/MSI DIGITAL ICS		00166
			LSI/MEMORY ICS		00045
			MICROPROCESSORS		00000
EQUIPMENT ID	202				
EGGILLICAT ID	293				
EQUIPMENT CATEGORY		VI GAT ION	EQUIPMENT ID	295	
•	GUIDANCE/NAV	VI GAT ION	EQUIPMENT ID EQUIPMENT CATEGORY		VI GAT ION
EQUIPMENT CATEGORY	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY	295 GUIDANCE/NAV INERTIAL RE	
EQUIPMENT CATEGORY DESIGN YEAR	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE	GUIDANCE/NA	
EQUIPMENT CATEGORY DESIGN YEAR	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	GUIDANCE/NATINERTIAL RES	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED	GUIDANCE/NAV	VI GAT ION	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL	GUIDANCE/NAV	VI GAT ION VALUE	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED	GUIDANCE/NAV		EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS	GUIDANCE/NAV	VALUE	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL	GUIDANCE/NAV INERTIAL REI 70	
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS)	GUIDANCE/NAV	VALUE 00 02 <i>7</i>	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS	GUIDANCE/NAV INERTIAL REI 70	FER ENC E
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	GUIDANCE/NAV	VALUE 00027 0.4E0	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED	GUIDANCE/NAV INERTIAL REI 70	VA LUE
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEICHT (LBS) VOLUME (CU. FT.) HEIGHT (IN)	GUIDANCE/NAV	VALUE 00027 0.4E0 00007	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS)	GUIDANCE/NAV INERTIAL REI 70	VALUE 00013
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN)	GUIDANCE/NAV	VALUE 00027 0.4E0 00007 00007	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	GUIDANCE/NAV INERTIAL REI 70	VALUE 00013 0.2E0
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN)	GUIDANCE/NAV	VALUE 00027 0.4E0 00007 00007	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)	GUIDANCE/NAV INERTIAL REI 70	VALUE 00013 0.2E0 00001
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN)	GUIDANCE/NAV	VALUE 00027 0.4E0 00007 00007	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES	GUIDANCE/NAV INERTIAL REI 70	VALUE 00013 0.2E0 00001 00007
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)	GUIDANCE/NAV	VALUE 00027 0.4E0 00007 00007	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	GUIDANCE/NAV INERTIAL REI 70	VALUE 00013 0.2E0 00007
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER:	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	GUIDANCE/NAV INERTIAL REI 70	VALUE 00013 0.2E0 00001 00007 00007
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS	GUIDANCE/NA INERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00007
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00007 00009 1.3E2	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) MO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00007
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENT	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) DEPTH (IN) FOWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009 00045 005 00010
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT TUBES	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00007 00009
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) MIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009 00045 005 00010
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS SI/MSI DIGITAL ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT TUBES	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009 00045 00010 00000 00008 00000
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) DEPTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MEMORY ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEICHT (LBS) WOLUME (CU. FT.) MO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00007 00009 00045 005 00010
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER: NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS SI/MSI DIGITAL ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00007 00009 1.3E2 01415 015 00553	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009 00045 005 00010
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) DEPTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MEMORY ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553 00000 00254 00009 00079 00166 00045	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009 00045 005 00010
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) DEPTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MEMORY ICS	GUIDANCE/NAV 70 AIRCRAFT	VALUE 00027 0.4E0 00007 00009 1.3E2 01415 015 00553 00000 00254 00009 00079 00166 00045	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION DESIGN APPROACH ATTITUDE TECHNOLOGY INERTIAL GIMBALED MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS	GUIDANCE/NAVINERTIAL REI 70 AIRCRAFT	VALUE 00013 0.2E0 00001 00007 00009 00045 005 00010

EQUIPMENT ID 296
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH GRAPHIC MANUAL

TECHNOLOGY METER

ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00005
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEICHT (IN)	00002
WIDTH (IN)	00006
DEPTH (IN)	00002

COMPLEXITY

TOTAL NUMBER OF PARTS 00030
NUMBER OF DIFFERENT GENERIC PART TYPES 004
NUMBER OF ACTIVE ELEMENTS 00000

ACTIVE ELEMENT COUNT

TUBES 00000
DISCRETE SEMICONDUCTORS 00000
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 297 EQUIPMENT ID 298 EQUIPMENT CATEGORY GUIDANC E/NAVIGATION EQUIPMENT CATEGORY GUIDANCE/NAVIGATION DESIGN YEAR 70 EQUIPMENT TYPE INERTIAL REFERENCE APPLICATION AIRCRAFT DESIGN YEAR PART DERATING GUIDELINES HIGH REL. APPLICATION AIRCRAFT PART DERATING GUIDELINES HIGH REL. DESIGN APPROACH GEOGRAPHIC POSITION DESIGN APPROACH GEOGRAPHIC POSITION TECHNOLOGY INERTIAL TECHNOLOGY DEAD RECKONING INERTIAL GIMBALED GIMBALED MAJOR PARAMETERS VALUE MAJOR PARAMETERS VALUE POSITION ACCURACY (FT) 7.0E3 POSITION ACCURACY (FT) 7.0E3 WAY POINTS 00016 WAY POINTS 00016 DESTINATIONS 00016 DESTINATIONS 00016 VELOCITY ACCURACY (FT/SEC) 00004 VELOCITY ACCURACY (FT/SEC) 00004 HEIGHT ACCURACY (FT) HEADING ACCURACY (DEG) HEIGHT ACCURACY (FT) 00150 00150 HEADING ACCURACY (DEG) 00.20 00.20 WEIGHT (LBS) VOLUME (CU. FT.) WEIGHT (LBS)
VOLUME (CU. PT.) 00040 00051 0.8E0 1.0E0 NO. OF MODULES NO. OF MODULES 00029 00027 POWER CONSUMPTION (W) 2.9E2 HEIGHT (IN) 00008 WIDTH (IN) 00013 FAULT TOLERANCE DEPTH (IN) 00014 DEGRADED MODES POWER CONSUMPTION (W) 2.0E2 PART QUALITY GRADE/SCREEN CLASS FAULT TOLERANCE TX/883 DEGRADED MODES TYPE OF COOLING PART QUALITY GRADE/SCREEN CLASS AMBIENT AIR (NORMAL CONVECTION) TX/883 FORCED AIR (FAN) TYPE OF COOLING SELF TEST CAPABILITY FORCED AIR (FAN) AUTOMATED BIT SELF TEST CAPABILITY SELF TEST IMPLEMENTATION AUTOMATED BIT SOFTWARE CONTROLLED HARDWARE CONTROLLED SELF TEST IMPLEMENTATION PANEL INDICATORS SOFTWARE CONTROLLED HARDWARE CONTROLLED DIAGNOSE TO/REPLACE LEVEL PANEL INDICATORS UNIT (LRU/PRU) DIAGNOSE TO/REPLACE LEVEL FAULT CONTROL UNIT (LRU/PRU) AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE RECONFIGURATION FAULT CONTROL MANUAL RECONFICURATION AUTOMATED ON LINE RECONFIGURATION AUTOMATED OFF LINE NONE MAINTENANCE CONCEPT MANUAL RECONFIGURATION ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE NONE MAINTENANCE CONCEPT REMOVE & REPLACE DEPOT NONE ORGANIZATIONAL INTERMEDIATE MAJOR REPAIR MAJOR REPAIR COMPLEXITY DEPOT TOTAL NUMBER OF PARTS 03100 COMPLEXITY NUMBER OF ACTIVE ELEMENTS 01218 TOTAL NUMBER OF PARTS 02650 ACTIVE ELEMENT COUNT NUMBER OF ACTIVE ELEMENTS 00990 00000 TIRES DISCRETE SEMICONDUCTORS 00409 ACTIVE ELEMENT COUNT HYBRID ICS 00057 00000 TUBES LINEAR/INTERFACE ICS 00036 DISCRETE SEMICONDUCTORS 00384 SSI/MSI DIGITAL ICS 00716 HYBRID ICS 00033 LSI/MEMORY ICS 00000 LINEAR/INTERFACE ICS 00032 MICROPROCESSORS 00000 SSI/MSI DIGITAL ICS 00541

LSI/MEMORY ICS

MICROPROCESSORS

00000

EQUIPMENT ID 299 FOUT PMENT ID 300 GUIDANCE/NAVIGATION EQUIPMENT CATEGORY GUIDANCE/NAVIGATION EQUIPMENT CATEGORY EQUIPMENT TYPE INDICATOR/CONTROL EQUIPMENT TYPE INERTIAL REFERENCE DESIGN YEAR
APPLICATION DESIGN YEAR 70 70 AIRCRAFT AIRCRAFT APPLICATION PART DERATING GUIDELINES PART DERATING GUIDELINES INTERMEDIATE HICH REL. DESIGN APPROACH DESIGN APPROACH ALPHANUMER IC AUTOPILOT KEYBOARD ENTRY TECHNOLOGY INTERACTIVE INERTIAL. MANUAL DEAD RECKONING AUTOMATIC CONTROL STRAPDOWN CLOSED LOOP CONTROL DISPLAY MAJOR PARAMETERS VALUE WEIGHT (LBS) VOLUME (CU. FT.) 00040 0.8E0 TECHNOLOGY NO. OF MODULES 00007 FLAT PANEL POWER CONSUMPTION (W) 2.1E2 SER VO ELECTROMECHANICAL FAULT TOLERANCE VALUE REDUNDANT CHANNELS MAJOR PARAMETERS NUMBER OF KEYS 00019 PART QUALITY GRADE/SCREEN CLASS NO. OF CONTROLS 00003 WEIGHT (LBS) 80000 COMMERICAL/PLASTIC ICS VOLUME (CU. FT.) 0.1E0 NO. OF MODULES 00006 TYPE OF COLUMN AMBIENT AIR (NORMAL CONVECTION) HEIGHT (IN) 00007 WIDTH (IN) 00005 SELF TEST CAPABILITY DEPTH (IN) 00007 POWER CONSUMPTION (W) 5.0E1 NONE DIAGNOSE TO/REPLACE LEVEL FAULT TOLERANCE UNIT (LRU/PRU) DEGRADED MODES FAULT CONTROL PART QUALITY GRADE/SCREEN CLASS AUTOMATED OFF LINE FAULT ISOLATION TX/883 MANUAL FAULT ISOLATION TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) MAINTENANCE CONCEPT ORGANIZATIONAL REMOVE & REPLACE MINOR REPAIR SELF TEST CAPABILITY INTERMEDIATE AUTOMATED BIT DEPOT MAJOR REPAIR COMPLEXITY SELF TEST IMPLEMENTATION TOTAL NUMBER OF PARTS 04200 SOFTWARE CONTROLLED HARDWARE CONTROLLED PANEL INDICATORS DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

COMPLEXITY

DEPOT

FAULT CONTROL

MAINTENANCE CONCEPT ORGANIZATIONAL

INTERMEDIATE

TOTAL NUMBER OF PARTS 00450 NUMBER OF ACTIVE ELEMENTS 00228 ACTIVE ELEMENT COUNT

REMOVE & REPLACE

MAJOR REPAIR

NONE

AUTOMATED ON LINE RECONFIGURATION

AUTOMATED OFF LINE NONE

00000 TUBES DISCRETE SEMICONDUCTORS 00025 HYBRID ICS 00024 LINEAR/INTERFACE ICS 00004 SSI/MSI DIGITAL ICS 00175 LSI/MEMORY ICS 00000 MICROPROCESSORS 00000

EQUIPMENT ID EQUIPMENT ID GUIDANCE/NAVIGATION GUIDANCE/NAVIGATION EQUIPMENT CATEGORY EQUIPMENT CATEGORY COMPUTER EQUIPMENT TYPE COMPUTER EQUIPMENT TYPE DESIGN YEAR DESIGN YEAR 70 AIRCRAFT AIRCRAFT APPLICATION APPLICATION PART DERATING GUIDELINES DESIGN APPROACH DESIGN APPROACH ANALOG DEDICATED ANALOG DEDICATED TECHNOLOGY TECHNOLOGY HARDWIRED HARDWIRED MAJOR PARAMETERS VALUE MAJOR PARAMETERS VALUE WEIGHT (LBS) 00012 WOLUME (CU. FT.) 0.3E0 00012 WEIGHT (LBS) NO. OF MODULES 00015 VOLUME (CU. FT.) 0.3E0 HEIGHT (IN) 00006 NO. OF MODULES 00012 00006 WIDTH (IN) HEIGHT (IN) 00006 00017 DEPTH (IN) WIDTH (IN) 00006 8.6E1 POWER CONSUMPTION (W) DEPTH (IN) 00017 POWER CONSUMPTION (W) 1.0E2 FAULT TOLERANCE REDUNDANT CHANNELS FAULT TOLERANCE REDUNDANT CHANNELS PART QUALITY GRADE/SCREEN CLASS COMMERICAL/PLASTIC ICS TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) SELF TEST CAPABILITY AUTOMATED BIT SELF TEST CAPABILITY SELF TEST IMPLEMENTATION AUTOMATED BIT HARDWARE CONTROLLED SELF TEST IMPLEMENTATION HARDWARE CONTROLLED DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU) DIAGNOSE TO/REPLACE LEVEL FAULT CONTROL UNIT (LRU/PRU) AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT ISOLATION FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION MANUAL FAULT ISOLATION AUTOMATED OFF LINE FAULT ISOLATION FAULT ISOLATION MAINTENANCE CONCEPT MANUAL IN FLIGHT MAINTENANCE NONE ORGANIZATIONAL MAINTENANCE CONCEPT REMOVE & REPLACE MAJOR REPAIR INTERMEDIATE NO MAINTENANCE NONE REMOVE & REPLACE THROW AWAY MAINTENANCE DEPOT NONE IN FLIGHT MAINTENANCE MAJOR REPAIR ORGANIZATIONAL COMPLEXITY TOTAL NUMBER OF PARTS 02029 NUMBER OF DIFFERENT CENERIC PART TYPES COMPLEXITY 012 01882 NUMBER OF ACTIVE ELEMENTS 00280 TOTAL NUMBER OF PARTS NUMBER OF 1 FFERENT GENERIC PART TYPES 012 00327 NUMBER OF CTIVE ELEMENTS ACTIVE ELEMENT COUNT 00000 DISCRETE SEMICONDUCTORS 00144 ACTIVE ELEMENT COUNT 00000 HYBRID ICS 00018 TUB ES DISCRETE SEMICONDUCTORS 001 78 LINEAR/INTERFACE ICS 00060 00035 SSI/MSI DIGITAL ICS 00058 HYBRID ICS 00050 LINEAR/INTERFACE ICS LSI/MEMORY ICS 00000 SSI/MSI DIGITAL ICS 00064 MICROPROCESSORS 00000 00000 LSI/MEMORY ICS

301

302

00000

MICROPROCESSORS

EQUIPMENT ID
EQUIPMENT CATEGORY
ECUIPMENT TYPE
DESIGN YEAR
APPLICATION
PART DERATING GUIDELINES

303
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
70
AIRCRAFT
INTERMEDIATE

DESIGN APPROACH INTERACTIVE MANUAL CONTROL

TECHNOLOGY ELECTROMECHANICAL

MAJOR PARAMETERS VALUE
NO. OF CONTROLS 00006
WEIGHT (LBS) 00003
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00001
HEIGHT (IN) 00003
WIDTH (IN) 00006
DEPTH (IN) 00004

FAULT TOLERANCE GRACEFUL DEGRADATION

PART QUALITY GRADE/SCREEN CLASS TX/883 JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY

DIAGNOSE TO/REPLACE LEVEL PIECE PART

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT ORGANIZATIONAL INTERMEDIATE

The second secon

REMOVE & REPLACE MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
007
NUMBER OF ACTIVE ELEMENTS
00003

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00003
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 304
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INERTIAL REFERENCE
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH

TECHNOLOGY INERTIAL STRAPDOWN

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00002

 VOLUME (CU. FT.)
 0.1E0

 NO. OF MODULES
 00001

 HEIGHT (IN)
 00002

 WIDTH (IN)
 00004

 DEFTH (IN)
 00004

FAULT TOLERANCE REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS COMMERICAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY MANUAL BITE

SELF TEST IMPLEMENTATION HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
HANUAL FAULT DETECTION

MAINTENANCE CONCEPT ORGANIZATIONAL INTERMEDIATE DEPOT

REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR

00068

COMPLEXITY
TOTAL NUMBER OF PARTS

EQUIPMENT ID 305 FAULT TOLERANCE GUIDANCE/NAVIGATION EQUIPMENT CATEGORY GRACEFUL DEGRADATION EQUIPMENT TYPE INERTIAL REFERENCE DESIGN YEAR 70 PART QUALITY GRADE/SCREEN CLASS AIRCRAFT APPLICATION COMMERICAL/PLASTIC ICS INTERMEDIATE PART DERATING GUIDELINES TYPE OF COOLING DESIGN APPROACH AMBIENT AIR (NORMAL CONVECTION) AUTOPILOT SELF TEST CAPABILITY TECHNOLOGY INERTIAL. STRAPDOWN DIAGNOSE TO/REPLACE LEVEL PIECE PART VALUE MAJOR PARAMETERS WEICHT (LBS) 00007 FAULT CONTROL 0.1E0 VOLUME (CU. FT.) 00001 NO. OF MODULES MANUAL FAULT DETECTION 00005 HEICHT (IN) 00004 WIDTH (IN) MAINTENANCE CONCEPT 00007 DEPTH (IN) ORGANIZATIONAL INTERMEDIATE FAULT TOLERANCE DEPOT REDUNDANT CHANNELS COMPLEXITY PART QUALITY GRADE/SCREEN CLASS TOTAL NUMBER OF PARTS COMMERICAL/PLASTIC ICS EQUIPMENT ID 307 TYPE OF COOLING EQUIPMENT CATEGORY AMBIENT AIR (NORMAL CONVECTION) EQUIPMENT TYPE 70 DESIGN YEAR SELF TEST CAPABILITY APPLICATION MANUAL BITE PART DERATING GUIDELINES SELF TEST IMPLEMENTATION DESIGN APPROACH HARDWARE CONTROLLED AUTOMATIC CONTROL CONTROL DIAGNOSE TO/REPLACE LEVEL ASSY (SRU) MAJOR PARAMETERS WEIGHT (LBS) FAULT CONTROL VOLUME (CU. FT.) AUTOMATED OFF LINE FAULT DETECTION NO. OF MODULES MANUAL FAULT DETECTION HEIGHT (IN) WIDTH (IN) MAINTENANCE CONCEPT DEPTH (IN) ORCANIZATIONAL REMOVE & REPLACE INTERMEDIATE MINOR REPAIR FAULT TOLERANCE MAJOR REPAIR REDUNDANT CHANNELS COMPLEXITY PART QUALITY GRADE/SCREEN CLASS 00070 TOTAL NUMBER OF PARTS COMMERICAL/PLASTIC ICS EQUIPMENT ID 306 TYPE OF COOLING EQUIPMENT CATEGORY GUIDANCE/NAVIGATION AMBIENT AIR (NORMAL CONVECTION) EQUIPMENT TYPE TRANS DUCER DESIGN YEAR 70 SELF TEST CAPABILITY APPLICATION AIRCRAFT MANUAL BITE PART DERATING GUIDELINES INTERMEDIATE SELF TEST IMPLEMENTATION DESIGN APPROACH HARDWARE CONTROLLED INTERACTIVE

CLOSED LOOP CONTROL

TECHNOLOGY SER VO ELECTROMECHANICAL

MAJOR PARAMETERS VALUE WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES 00003 O. LEO 00001 HEIGHT (IN) 00006 WIDTH (IN) 00002 DEPTH (IN) 00004

AUTOMATED OFF LINE FAULT DETECTION

REMOVE & REPLACE MAJOR REPAIR MAJOR REPAIR

00058

GUIDANCE/NAVIGATION TRANSDUCER AIRCRAFT INTERMEDIATE

VALUE 00001 0.1E0 00001 00003 00005 00005

DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)

FAULT CONTROL AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT REMOVE & REPLACE ORGANIZATIONAL MINOR REPAIR INTERMEDIATE MAJOR REPAIR DEPOT

COMPLEXITY 00020 TOTAL NUMBER OF PARTS

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

309
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
ALPHANUMERIC
GRAPHIC
HEAD UP
MANUAL
NON-INTERACTIVE
OPEN LOOP
CONTROL
DISPLAY

TECHNOLOGY
CRT
PROJECTION
ELECTROMECHANICAL

 MAJOR PARAMETERS
 VALUE

 DISPLAY AREA (SQ IN)
 00038

 NO. OF CONTROLS
 00008

 WEIGHT (LBS)
 00061

 VOLUME (CU. FT.)
 1.1E0

 NO. OF MODULES
 00025

 POWER CONSUMPTION (W)
 3-2E2

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883 JAN/HERMETIC ICS

TYPE OF COOLING FORCED AIR (FAN)

SELF TEST CAPABILITY AUTOMATED BIT

SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED HARDWARE CONTROLLED PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL EQUIPMENT

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT ISOLATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS
00855

ACTIVE ELEMENT COUNT
TUBES 00001
DISCRETE SEMICONDUCTORS 00092
HYBRID ICS 00051
LINEAR/INTERFACE ICS 00073
SSI/MSI DIGITAL ICS 00608
LSI/MEMORY ICS 00030
MICROPROCESSORS 00000

				212	
EQUIPMENT ID	310		EQUIPMENT ID	312 CONTROLS/DISPL	.AYS
EQUIPMENT CATEGORY	CONTROLS/DIS	PLAYS	EQUIPMENT CATECORY EQUIPMENT TYPE	INDICATOR/CONT	
EQUIPMENT TYPE	SICNAL/DATA	PROCESSOR	DESIGN YEAR	70	
PESICN YEAR	70		APPLICATION	A IPC RAFT	
APPLICATION	A [RCRAFT				
DESIGN APPROACH			DESIGN APPROACH		
ANALOG			ALPHANUMER IC		
DIGITAL			GRAPHIC		
DEDICATED			HEAD UP		
			MANUAL NON-INTERACTIVE		
TECHNOLOGY			OPEN LOOP		
SEMICONDUCTOR			CONTROL		
			DISPLAY		
MAJOR PARAMETERS		VALUE			
WEICHT (LBS)		00016	TECHNOLOCY		
VOLUME (CU. FT.)		0.420	CRT		
NO. OF MODULES HEICHT (IN)		00016 00006	PROJECTION		
WIDTH (IN)		00008	ELECTROMECHANICAL		
DEPTH (IN)		00015	MA TOP PARAMETERS		VALUE
POWER CONSUMPTION (W))	2.0E2	MAJOR PARAMETERS DISPLAY AREA (SQ IN)		00038
		•	NO. OF CONTROLS		80000
FAULT TOLERANCE			WEIGHT (LBS)		00046
NONE .			VOLUME (CU. FT.)		0.7E0
			NO. OF MODULES		00009
PART QUALITY GRADE/SCRI TXV/JAN 38510	EEN CLASS		HEIGHT (IN)		00008
TX/883			WIDTH (IN)		00007
JAN/HERMETIC ICS			DEPTH (IN)		00021
JAN/HERHELIC ICS			POWER CONSUMPTION (W)		1 . 2E 2
TYPE OF COOLING			DATE OF TO EDANCE		
FORCED AIR (FAN)			FAULT TOLERANCE NONE		
SELF TEST CAPABILITY				~	
AUTOMATED BIT			PART QUALITY GRADE/SCREEN	CIASS	
			TXV/JAN 38510		
SELF TEST IMPLEMENTATIO	ON		TX/883		
			JAN/HERMETIC ICS		
SOFTWARE CONTROLLED			TYPE OF COOLING		
HARDWARE CONTROLLED			FORCED AIR (FAN)		
PANEL INDICATORS					
DIAGNOSE TO/REPLACE LE	VE L		SELF TEST CAPABILITY		
EQUI PMENT	-		AUTOMATED BIT		
			SELF TEST IMPLEMENTATION		
FAULT CONTROL			SOFTWARE CONTROLLED		
AUTOMATED ON LINE			HARDWARE CONTROLLED		
AUTOMATED OFF LINE			PANEL INDICATORS		
MANUAL 1	FAULT ISOLATION				
MAINTENANCE CONCEPT			DIAGNOSE TO/REPLACE LEVEL		
IN FLIGHT MAINTENANCE	e none		EQUIPMENT		
ORGANIZATIONAL	REMOVE & REPLA	CE	FAULT CONTROL	T DETECTION	
Intermediate	REMOVE & REPLA	ÇE	AUTOMATED ON LINE FAUL AUTOMATED OFF LINE FAUL	T DETECTION	
DEPOT	MAJOR REPAIR			LT ISOLATION	
COLOR BATTER			MANUAL FAUI MAINTENANCE CONCEPT	,1 10012111011	
COMPLEXITY		01105	IN PLIGHT MAINTENANCE	NONE	
TOTAL NUMBER OF PARTS		01105	ORGANIZATIONAL	REMOVE & REPLAC	CE
NUMBER OF DIFFERENT (NUMBER OF ACTIVE ELE		014 00755	INTERMEDIATE	REMOVE & REPLAC	CE
NORDER OF ACTIVE ELE	11113	00755	DEPOT	MAJOR REPAIR	
ACTIVE ELEMENT COUNT			COMPLEXITY		001 00
TUBES		00000	TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GEN	ERIC PART TYPES	004 89 00 9
DISCRETE SEMICONDUCT	ORS	00092	NUMBER OF ACTIVE ELEMEN		00100
HYBRID ICS		00030	ACTIVE ELEMENT COUNT		JU. 00
LINEAR/INTERFACE ICS		00037	TUBES		00001
SSI/MSI DIGITAL ICS		00566	DISCRETE SEMICONDUCTORS		00000
LSI/MEMORY ICS		00030	HYBRID ICS		00021
HICROPROCESSORS		00000	LINEAR/INTERFACE ICS		00036
			SSI/MSI DIGITAL ICS		00042
			LSI/MEMORY ICS		00000
			MICROPROCESSORS		00000

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	314 CONTROLS/DISPLAYS MISC 70 AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION	321 GUIDANCE/NAVIGATION 70 AIRCRAFT
		MAJOR PARAMETERS	VALUE
DESIGN APPROACH DISPLAY		WEICHT (LBS) VOLUME (CU. FT.)	00006 0.1E0
TECHNOLOGY PROJECTION		NO. OF MODULES POWER CONSUMPTION (W)	00006 2.0E1
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)	VALUE 00004 0 · 1E 0 00004 00009 00001	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	322 GJIDANCE/NAVIGATION INDICATOR/CONTROL 70 AIRCRAFT
EQUIPMENT ID	315	WA TOO DADAY PERDO	***
EQUIPMENT CATEGORY DESIGN YEAR APPLICATION MAJOR PARAMETERS	WEAPONS 70 AIRCRAFT VALUE	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES	VALUE 00005 0-1E0 00005
WEIGHT (LBS)	00049		00005 00007
WOLUME (CU. FT.)	1.2E(DEPTH (IN)	00007
NO. OF MODULES POWER CONSUMPTION (W)	00003 2.4E		323
		EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
EQUIPMENT ID EQUIPMENT CATEGORY	316 WEAPONS	DESIGN YEAR	70
EQUIPMENT TYPE	INDICATOR/CONTROL	APPLICATION	AIRCRAFT
DESIGN YEAR	70	MAJOR PARAMETERS	VALUE
APPLICATION	AIRCRAFT	WEIGHT (LBS)	00001
DESIGN APPROACH		VOLUME (CU. FT.) NO. OF MODULES	0-1E0 00001
CONTROL		HEIGHT (IN)	00002
EQUIPMENT ID	317 WEAPONS	WIDTH (IN)	00002
EQUIPMENT CATEGORY EQUIPMENT TYPE	A/D OR D/A	DEPTH (IN)	00003
DESIGN YEAR	70 4 TR CD 4 PT	EQUIPMENT ID	324
APPLICATION	AIRCRAFT	EQUIPMENT CATEGORY DESIGN YEAR	COMMUNICATIONS 70
MAJOR PARAMETERS	VALU	E APPLICATION	AIRCRAFT
WEIGHT (LBS)	0003 0.9E		
VOLUME (CU. FT.) NO. OF MODULES	0000	DESIGN ATTROACT	
HEIGHT (IN)	0000	6 DIRECTION FINDER	
WIDTH (IN)	0003 0001		VALUE
DEPTH (IN)	0001	• • • • • • • • • • • • • • • • • • • •	
EQUIPMENT ID EQUIPMENT CATEGORY	318 TEST EQUIP. 70	WEICHT (LBS) WOLUME (CU. FT.) POWER CONSUMPTION (W)	00011 0.3E0 1.6E1
DESIGN YEAR APPLICATION	AIRCRAFT	EQUIPMENT ID	325
EQUIPMENT ID	319	·	
EQUIPMENT CATEGORY DESIGN YEAR	TEST EQUIP. 70	EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	COMMUNICATIONS AMPLIFIER, RF 70
APPLICATION	AIRCRAPT	APPLICATION	AIRCRAFT
EQUIPMENT ID EQUIPMENT CATEGORY	320 TEST EQUIP.	DESIGN APPROACH DIRECTION FINDER	
DESIGN YEAR APPLICATION	70 AIRCRAFT		
		MAJOR PARAMETERS WEIGHT (LBS)	VALUE 00005
		VOLUME (CU. FT.)	0.180
		NO. OF MODULES	00009
		HEIGHT (IN)	00005
		WIDTH (IN)	00005
		DEPTH (IN)	00007

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	326 COMMUNICATIONS ANTENNA 70 AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	329 CONTROLS/DISPLAYS INDICATOR/CONTROL 70 AIRCRAFT
MAJOR PARAMETERS WEIGHT (LBS) WOLUME (CU. FT.)	VALUE 00006 0 • 2E 6	DISPLAY	11A T 117
NO. OF MODULES	00001 00011	HETCHE /THO	VALUE 00021
HEIGHT (IN)	00011	INTIMP (AIT WE)	0.3E0
WIDTH (IN) DEPTH (IN)	00004	NO. OF MODULES	00017
DEFIN (IN)		HEIGHT (IN)	00005
		WIDTH (IN) DEPTH (IN)	00006 00015
EQUIPMENT ID	327	TYPE OF COOLING	
EQUIPMENT CATECORY	CONTROLS/DISPLAYS 70	AMBIENT AIR (NORMAL CO	IN VECTION)
DESIGN YEAR APPLICATION	AIRCRAFT	ACTIVE ELEMENT COUNT	
APPLICATION	KIRCHAI I	LINEAR/INTERFACE ICS	00003
DESIGN APPROACH		SSI/MSI DIGITAL ICS	00004
DISPLAY			
MA SON DARAMETERS	VALU	EQUIPMENT ID	330
MAJOR PARAMETERS WEICHT (LBS)	0004		ECM/EW
WOLUME (CU. FT.)	0.7E		AIRCRAFT
NO. OF MODULES	0003	MA.SIK PAKAMETERS	VALUE
POWER CONSUMPTION (W)	3.02	WEIGHT (LBS)	00056
mmn at 2001 INO		VOLUME (CU. FT.)	0.5E0
TYPE OF COOLING AMBIENT AIR (NORMAL CON	VECTION)	NO. OF MODULES	00038
FORCED AIR (FAN)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	POWER CONSUMPTION (W)	1.7E2
		EQUIPMENT ID	331
ACTIVE ELEMENT COUNT		EQUIPMENT CATEGORY	ECM / EW
HYBRID ICS	00009	EQUIPMENT TYPE APPLICATION	ANTENNA
LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS	00064 00385		AIRCRAFT
LSI/MEMORY ICS	00021	MAJOR PARAMETERS	VALUE
		WEIGHT (LBS)	00002
EQUIPMENT ID	328	VOLUME (CU. FT.) NO. OF MODULES	0-1E0
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	Ver Tolera (- 1 - 1	00001
EQUIPMENT TYPE DESIGN YEAR	SIGNAL/DATA PROCESS	WIDTH (IN)	00008 00014
APPLICATION	AIRCRAFT	DEPTH (IN)	00001
		EQUIPMENT ID	332
MAJOR PARAMETERS	VALU		ECM / EW
WEIGHT (LBS)	0002	ADDI TCATTON	ANTENNA
VOLUME (CU. FT.)	0.4E	,	AIRCRAFT
NO. OF MODULES HEIGHT (IN)	0001 0000	MA TID DADAMETER C	VALUE
WIDTH (IN)	0000	WEICHT (LBS)	VALUE 00002
DEPTH (IN)	0001	VOLUME (CU. FT.)	0.1E0
POWER CONSUMPTION (W)	. E	NO. OF MODULES	00001
TYPE OF COOLING		HEIGHT (IN) WIDTH (IN)	80000
FORCED AIR (FAM) SELF TEST CAPABILITY		DEPTH (IN)	00014
AUTOMATED BIT		EQUIPMENT ID	00001
SELF TEST IMPLEMENTATION		EQUIPMENT CATEGORY	333
HARDWARE CONTROLLED		EQUIPMENT TYPE	ECM/EW ANTENNA
PANEL INDICATORS FAULT CONTROL		APPLICATION	AIRCRAFT
	LT DETECTION	MAJOR FARAMETERS	
COMPLEXITY	02028	WEIGHT (LBS)	VALUE
TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GEN		WOLUME (CU. FT.)	00003 0.1E0
NUMBER OF ACTIVE ELEMEN	TS 00873	NO. OF MODULES	00001
		HEIGHT (IN)	00006
ACTIVE ELEMENT COUNT	AAAA	WIDTH (IN) Depth (IN)	00006
TUBES	00000	(4N)	90016
DISCRETE SEMICONDUCTORS HYBRID ICS	00009		
LIMEAR/INTERPACE ICS	00061		
SSI/MSI DIGITAL ICS	00394		
LSI/HEMORY ICS	00021		
MICROPROCESSORS	00000	£ 444	
		6_111	

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE APPLICATION	334 ECM/EW MULTIPLEXOR/DEMI AIRCRAFT	ULT I PLE XOR	EQUI PMENT EQUI PMENT EQUI PMENT DES ICN YE	CATEGORY TYPE	339 COMMUNICATION: INDICATOR/CONT 72	
MAJOR PARAMETERS		us tute				
WEIGHT (LBS)		VALUE 00004	APPLICATION	N	AIRCRAFT	
VOLUME (CU. FT.)		0.1E0	MISSION L	ENCTH	I TO 8 HRS.	
NO. OF MODULES		00001				
HEIGHT (IN)		00004	DESIGN AP			
WIDTH (IN)		00004	ALPHANU	MERIC		
DEPTH (IN)	(00009	DISPLAY			
EQUIPMENT ID	335		TECHNOLOG	Y		
EQUIPMENT CATEGORY	ECM / EW		ELECTRO	MECHANICAL		
EQUIPMENT TYPE	TRANSCEIVER					
APPLICATION	AIRCRAFT		EQUIPMENT		340	
			EQUI PMENT		COMMUNICATION	S
MAJOR PARAMETERS		VALUE	EQUIPMENT		TRANSCEIVER	
WEIGHT (LBS)		00031	DESIGN YE. APPLICATION		72	
VOLUME (CU. FT.) NO. OF MODULES		0.5£0 00033	MISSION L		AIRCRAFT	
HEIGHT (IN)		00006			1 TO 8 HRS.	
WIDTH (IN)		00008	DESIGN API	PROACH		
DEPTH (IN)		00017	RADIO			
			AUDIO/VO	ICE		
EQUIPMENT ID	336		TRANSCE:	Lver		
EQUIPMENT CATEGORY	ECM/EW		_			
EQUIPMENT TYPE APPLICATION	INDICATOR/CONTRO AIRCRAFT	OL .	TECHNOLOGY SOLID ST	•		
MAJOR PARAMETERS	,	VALUE	AM CW			
WEIGHT (LBS)		00001	HALF DUI	N PV		
VOLUME (CU. FT.)		0.1E0	inidi bei	HLA		
NO. OF MODULES		00001	MAJOR PARA	METERS		VALUE
HEICHT (IN)	(00003	FREQ BAN	ID .		UHF
WIDTH (IN)	(00004	AVG RF P	OWER (W)		1.0E0
DEPTH (IN)	(8 0000		EOUS CHANNELS		00001
EQUIPMENT ID	337			WIDTH (HZ)		2.5E4
EQUIPMENT CATEGORY	COMMUNICATIONS		RECEIVER	SENSITIVITY (UV)		4.0F0
DESIGN YEAR	72		NO. OF S	ELECTABLE/PRESET T	ransmitting fre	Q00020
APPLICATION	AIRCRAFT		WEIGHT (LBS)		00006
MISSION LENGTH	1 TO 8 HRS.		E-QUI PMENI	TD.	347	
DECICN AMBROACU			EQUIPMENT	CATEGORY	COMMUNICATIONS	
DESIGN APPROACH RADIO			DESIGN YEA		72	
AUDIO/VOICE			APPLICATIO		AIRCRAFT	
TRANSCEIVER			MISSION LE	NGTH	1 TO 8 HRS.	
TEC HNOLOGY			DESIGN APP	ROACH		
SOLID STATE			RADIO			
AM			AUDIO/VO			
CW			TRANSCEI	VER		
HALF DUPLEX			TEC HNO LOGY			
			SOLID ST	ATE		
MAJOR PARAMETERS	v	ALUE	AM			
FREQ BAND	•	UHF	CW			
AVC RF POWER (W)		1.0E1	HALF DUP	LEX		
SIMULTANEOUS CHANNELS		00001	MAJOR PARAM	/PTCDC		
CHANNEL WIDTH (HZ)		2.5E4	FREQ BAN			VALUE
RECEIVER SENSITIVITY (UV)		4.0E0	AVG RF PC			UHF
NO. OF SELECTABLE/PRESET T	· · · · · · ·	W (/20		OUS CHANNELS		1.0E1
EQUIPMENT ID	338		CHANNEL W	IDTH (HZ)		00001 2.5E4
EQUIPMENT CATEGORY EQUIPMENT TYPE	COMMUNICATIONS		RECEIVER	SENSITIVITY (UV)		I ARA
DESIGN YEAR	INDICATOR/CONTR	UL	NO. OF SE	LECTABLE/PRESET TR	ANSMITTING FREE	00020
APPLICATION	AIRCRAFT					
MISSION LENGTH	1 TO 8 HRS.					
DESIGN APPROACH						
MANUAL						
OPEN LOOP						
CONTROL						

TECHNOLOGY ELECTROMECHANICAL EQUIPMENT ID 348 EQUIPMENT ID 351,351A EQUIPMENT CATEGORY COMMUNICATIONS EQUIPMENT CATEGORY **COMMUNICATIONS** EQUIPMENT TYPE INDICATOR/CONTROL DESIGN YEAR DESTON YEAR 72 APPLICATION **AIRCRAFT** APPLICATION **AIRCRAFT** MISSION LENGTH 1 TO 8 HRS. MISSION LENGTH 1 TO 8 HRS. PART DERATING GUIDELINES INTERMEDIATE MISSION CRITICALITY HIGH DESIGN APPROACH MANUAT. DESIGN APPROACH OPEN LOOP RADIO CONTROL AUDIO/VOICE TRANSCEIVER TECHNOLOGY ELECTROMECHANICAL TECHNOLOGY SOLID STATE EQUIPMENT ID 349 AM COMMUNICATIONS EQUIPMENT CATEGORY CW EQUIPMENT TYPE INDICATOR/CONTROL HALF DUPLEX DESIGN YEAR 72 APPLICATION AIRCRAFT MAJOR PARAMETERS VALUE MISSION LENGTH 1 TO 8 HRS. FREQ BAND UHF AVC RF POWER (W) 1.0E1 DESIGN APPROACH SIMULTANEOUS CHANNELS 00002 ALPHANUMER IC CHANNEL WIDTH (HZ) 2.5E4 DISPLAY RECEIVER SENSITIVITY (UV) 4.0E0 NO. OF SELECTABLE/PRESET TRANSMITTING FREODOOD20 TECHNOLOGY DUTY CYCLE (Z ON) 017.0 ELECTROMECHANICAL WEIGHT (LBS) VOLUME (CU. FT.) 00017 EQUIPMENT ID 0.9E0 EQUIPMENT CATEGORY COMMUNICATIONS NO. OF MODULES 80000 EQUIPMENT TYPE TRANSCEIVER HEIGHT (IN) 00010 DESIGN YEAR 72 WIDTH (IN) 00005 APPLICATION **AIRCRAFT** DEPTH (IN) 00030 MISSION LENGTH 1 TO 8 HRS. POWER CONSUMPTION (W) DESIGN APPROACH FAULT TOLERANCE RADIO NONE AUDIO/VOICE TRANSCEIVER PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 **TECHNOLOGY** TX/883 SOLID STATE JAN/HERMETIC ICS AM COMMERICAL/PLASTIC ICS HALF DUPLEX TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) MAJOR PARAMETERS VALUE AVC RF POWER (W) 1.0E0 SELF TEST CAPABILITY SIMULTANEOUS CHANNELS 00001 MONE CHANNEL WIDTH (HZ) 2.5E4 RECEIVER SENSITIVITY (UV) 4.0E0 COMPLEXITY NO. OF SELECTABLE/PRESET TRANSMITTING FREQODO20 TOTAL NUMBER OF PARTS 02250 NUMBER OF DIFFERENT GENERIC PART TYPES 011 NUMBER OF ACTIVE ELEMENTS 00520 ACTIVE ELEMENT COUNT TURES 00000 DISCRETE SEMICONDUCTORS 00388 HYBRID ICS 00000 LINEAR/INTERFACE ICS 00069 SSI/MSI DIGITAL ICS 00063 LSI/MEMORY ICS 00000

MICROPROCESSORS

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY DESIGN APPROACH	352,352A COMMUNICATION INDICATOR/CON 72 AIRCRAFT 1 TO 8 HRS. INTERMEDIATE HIGH		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY DESIGN APPROACH	353 COMMUNICATION INDICATOR/COM 72 AIRCRAFT 1 TO 8 HRS. INTERMEDIATE HICH	
MANUAL OPEN LOOP CONTROL			MANUAL OPEN LOOP CONTROL		
TECHNOLOGY ELECTROMECHANICAL			TECHNOLOGY ELECTROMECHANICAL		
MAJOR PARAMETERS NO. OF CONTROLS WEICHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEICHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)		VALUE 00013 00004 0.1E0 00002 00005 00005 00003 1.0E1	MAJOR PARAMETERS NO. OF CONTROLS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)		VALUE 00013 00004 0.1E0 00002 00005 00005 00003 1.0E1
FAULT TOLERANCE NONE			FAULT TOLERANCE NONE		
PART QUALITY GRADE/SCREEN OF TXV/JAN 38510 TX/883 JAN/HERMETIC ICS COMMERICAL/PLASTIC ICS TYPE OF COOLING	CIASS		PART QUALITY GRADE/SCREEN (TXV/JAN 38510 TX/883 JAN/HERMETIC ICS COMMERICAL/PLASTIC ICS TYPE OF COOLING	CLASS	
AMBIENT AIR (NORMAL CONVI	ECTION)		AMBIENT AIR (NORMAL CONVI	ECTION)	
NONE COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT CENEI NUMBER OF ACTIVE ELEMENT:	RIC PART TYPES	00714 010 00153	NONE COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER NUMBER OF ACTIVE ELEMENT:		00714 010 00153
ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00000 00129 00000 00016 00008 00000	ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00000 00129 00000 00016 00008 00000

THE STATE OF THE S

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY DESIGN APPROACH MANUAL OPEN LOOP	354 COMMUNICATION INDICATOR/COM 72 AIRCRAFT 1 TO 8 HRS. INTERMEDIATE HIGH	NTROL	MAJOR PARAMETERS NO. OF CONTROLS WEIGHT (LBS) WOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) FAULT TOLERANCE NONE		VALUE 00013 00004 0.1E0 00002 00005 00005 00003 1.0E1
CONTROL			PART QUALITY GRADE/SCREEN	CLASS	
TECHNOLOGY ELECTROMECHANICAL			TXV/JAN 38510 TX/883 JAN/HERMETIC ICS		
MAJOR PARAMETERS		VALUE	COMMERICAL/PLASTIC ICS		
NO. OF CONTROLS		00013			
WEIGHT (LBS)		00004 0.1E0	TYPE OF COOLING		
VOLUME (CU. FT.)		00002	AMBIENT AIR (NORMAL CONV	ECTION)	
NO. OF MODULES		00005	CELE MECH CARAR WITH		
HEIGHT (IN) WIDTH (IN)		00005	SELF TEST CAPABILITY NONE		
DEPTH (IN)		00003	MONE		
POWER CONSUMPTION (W)		1.0E1	COMPLEXITY		
			TOTAL NUMBER OF PARTS		00714
FAULT TOLERANCE NONE			NUMBER OF DIFFERENT GENE NUMBER OF ACTIVE ELEMENT		01 0 001 53
PART QUALITY GRADE/SCREEN C	LASS		ACTIVE ELEMENT COUNT		
TXV/JAN 38510			TUBES		00000
TX/883			DISCRETE SEMICONDUCTORS		00129
JAN/HERMETIC ICS			HYBRID ICS		00000
COMMERICAL/PLASTIC ICS			LINEAR/INTERFACE ICS		00016
TYPE OF COOLING			SSI/MSI DIGITAL ICS		00008 00000
AMBIENT AIR (NORMAL CONVI	CTION		LSI/MEMORY ICS MICROPROCESSORS		00000
121022011 1120 (11012112 001111				***	00000
SELF TEST CAPABILITY			EQUIPMENT ID EQUIPMENT CATEGORY	356 , 356A	
NONE			EQUIPMENT TYPE DESIGN YEAR	COMMUNICATIO INDICATOR/CO 72	
COMPLEXITY			APPLICATION	AIRCRAFT	
TOTAL NUMBER OF PARTS	TO DADE TYPE	00714	MISSION LENGTH	1 TO 8 HRS.	
NUMBER OF DIFFERENT GENER NUMBER OF ACTIVE ELEMENTS		00153	PART DERATING GUIDELINES MISSION CRITICALITY	INTERMEDIATE HIGH	:
ACTIVE ELEMENT COUNT					
TUBES		00000	DESIGN APPROACH		
DISCRETE SEMICONDUCTORS		00129	ALPHANUMER IC DISPLAY		
HYBRID ICS		00000	DISTLAT		
LINEAR/INTERFACE ICS		00016 00008	TECHNOLOGY		
SSI/MSI DIGITAL ICS LSI/MEMORY ICS		00000	ELECTROMECHANICAL		
MICROPROCESSORS		00000			
HICKOPROCESSORD			MAJOR PARAMETERS		VALUE
EQUIPMENT ID	355		NO. OF CHARACTER LINES NO. OF CHARACCTERS/LINE		00001
EQUIPMENT CATEGORY	COMMUNICATIO		WEIGHT (LBS)		00005 00001
EQUIPMENT TYPE DESIGN YEAR	INDICATOR/CO	ON 1, XOL	VOLUME (CU. FT.)		0.1E0
APPLICATION	AIRCRAFT		NO. OF MODULES		00001
MISSION LENGTH	I TO 8 HRS.		HEIGHT (IN)		00002
PART DERATING GUIDELINES	INTERMEDIAT	E	WIDTH (IN)		00002
HISSION CRITICALITY	HIGH		DEPTH (IN)		00006
DESIGN APPROACH			FAULT TOLERANCE		
MANUAL			HONE		
OPEN LOOP			PART QUALITY GRADE/SCREEN	2241	
CONTROL			TXV/JAN 38510	, Lend 3	
TECHNOLOGY			TX/883		
ELECTRONECHANICAL			JAN/HERMETIC ICS		
mind terring harrows as			COMMERICAL/PLASTIC ICS		

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY

COMPLEXITY	00187
TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENERIC PART TYPES	009
NUMBER OF ACTIVE ELEMENTS	00117

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00089
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00012
SSI/MSI DIGITAL ICS 00016
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 357,357A

EQUIPMENT CATEGORY COMMUNICATIONS

EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION

DESIGN YEAR 72

APPLICATION AIRCRAFT

MISSION LENGTH 1 TO 8 HRS.

PART DERATING GUIDELINES INTERMEDIATE

MISSION CRITICALITY HIGH

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00005

 VOLUME (CU. FT.)
 0.5E0

 NO. OF MODULES
 00001

 HEIGHT (IN)
 00010

 WIDTH (IN)
 00004

 DEPTH (IN)
 00020

FAULT TOLERANCE NONE

PART QUALITY GRADE/SCREEN CLASS COMMERICAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY

TOTAL NUMBER OF PARTS 00003
NUMBER OF DIFFERENT GENERIC PART TYPES 001
NUMBER OF ACTIVE ELEMENTS 00000

ACTIVE ELEMENT COUNT

TUBES 00000
DISCRETE SEMICONDUCTORS 00000
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES MISSION CRITICALITY	358 COMMUNICATIONS INTERCONNECTION/DISTRIBUTION 72 AIRCRAFT 1 TO 8 HRS. INTERMEDIATE HICH	EQUIPMENT ID 360 .360A EQUIPMENT CATEGORY COMMUNICATI EQUIPMENT TYPE TRANSCEIVER DESIGN YEAR 72 APPLICATION AIRCRAFT MISSION LENGTH 1 TO 8 HRS. PART DERATING GUIDELINES INTERMEDIAT MISSION CRITICALITY HIGH	CONS
MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) FAULT TOLERANCE	VALUE 00005 1.5E0 00001 00010 00011 00023	DESIGN APPROACH RADIO AUDIO/VOICE TRANSCEIVER TECHNOLOGY SOLID STATE AM CW HALF DUPLEX	
PART QUALITY GRADE/SCREEN COMMERICAL/PLASTIC ICS TYPE OF COOLING	LASS	MAJOR PARAMETERS FREQ BAND AVC RF POWER (W) SIMULTANEOUS CHANNELS	VALUE UHF 1.0E1 00002
AMBIENT AIR (NORMAL CONVECTION OF PARTS NUMBER OF DIFFERENT GENER NUMBER OF ACTIVE ELEMENTS	00003	CHANNEL WIDTH (HZ) RECEIVER SENSITIVITY (UV) DUTY CYCLE (Z ON) WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	2.5E4 4.0E0 017.0 00008 0.1E0 00005 00005
ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS	00000 00000 00000 00000 00000 00000	DEPTH (IN) POWER CONSUMPTION (W) FAULT TOLERANCE NONE PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 TX/883 JAN/HERMETIC ICS COMMERICAL/PLASTIC ICS	00007 1.1E2
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	359 COMMUNICATIONS POWER SUPPLY 72	TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) SELF TEST CAPABILITY NONE	
DESIGN YEAR APPLICATION MISSION LENGTH PART DERATING GUIDELINES	AIRCRAFT 1 TO 8 HRS. INTERMEDIATE	COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENERIC PART TYPES NUMBER OF ACTIVE ELEMENTS	01 345 3 01 0 002 50
MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEFTH (IN) FAULT TOLERANCE NONE	VALUE 00006 0.1E0 00001 00002 00003 00001	ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS	00000 00170 00000 00041 00039 00000

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

EQUIPMENT ID	361	EQUIPMENT ID	362
EQUIPMENT CATEGORY	COMMUNICATIONS	EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	TRANSCEIVER	EQUIPMENT TYPE	TRANSCEIVER
DESIGN YEAR	72	DESIGN YEAR	72
APPLICATION	AIRCRAFT	APPLICATION	AIRCPAFT
MISSION LENGTH	1 TO 8 HRS.	MISSION LENCTH	1 TO 8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE	PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH	MISSION CRITICALITY	HICH
•			
DESIGN APPROACH		DESIGN APPROACH	
RADIO		RADIO	
AUDIO/VOICE		AUDIO/VOICE	
TRANSCEIVER		TRANSCEIVER	
TECHNOLOGY		TECHNOLOGY	
SOLID STATE		SOLID STATE	
AM		AM	
CW		CW	
HALF DUPLEX		HALF DUPLEX	
MAJOR PARAMETERS	VALUE	MAJOR PARAMETERS	VALUE
FREQ BAND	UHF	FREQ BAND	UHF
AVC RF POWER (W)	1.0E1	AVC RF POWER (W)	1.0E1
SIMULTANEOUS CHANNELS	00002	SIMULTANEOUS CHANNELS	00002
CHANNEL WIDTH (HZ)	2.5E4	CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)		RECEIVER SENSITIVITY (UV)	
NO. OF SELECTABLE/PRESET		NO. OF SELECTABLE/PRESET	
DUTY CYCLE (% ON)	017.0	DUTY CYCLE (% ON)	017.0
WEIGHT (LBS)	00009	WEIGHT (LBS)	00009
VOLUME (CU. FT.)	0.1E0	VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00005	NO. OF MODULES	00005
HEIGHT (IN)	00005	HEIGHT (IN)	00005
WIDTH (IN)	00005	WIDTH (IN)	00005
DEPTH (IN)	00009	DEPTH (IN)	00009
POWER CONSUMPTION (W)	1.1E0	POWER CONSUMPTION (W)	1.1E2
FAULT TOLERANCE		FAULT TOLERANCE	
NONE		NONE	
DADE CHALLES CRAPE (CORPUS		DADE ONALTHY ODADE (CODENY C	****
PART QUALITY GRADE/SCREEN C	LASS	PART QUALITY GRADE/SCREEN C	LASS
TXV/JAN 38510 TX/883		TXV/JAN 38510	
JAN/HERMETIC ICS		TX/883 JAN/HERMETIC ICS	
COMMERICAL/PLASTIC ICS		COMMERICAL/PLASTIC ICS	
COMMERICAL/FLASTIC ICS		COMPERICAL/FLASIIC ICS	
TYPE OF COOLING		TYPE OF COOLING	
AMBIENT AIR (NORMAL CONVE	CTION)	AMBIENT AIR (NORMAL CONVE	CTION)
SELF TEST CAPABILITY		SELF TEST CAPABILITY	
NONE CAPABILITY		NONE	
COMPLEXITY		COMPLEXITY	
TOTAL NUMBER OF PARTS	01948	TOTAL NUMBER OF PARTS	01948
NUMBER OF DIFFERENT GENER	IC PART TYPES 010	NUMBER OF DIFFERENT GENER	
NUMBER OF ACTIVE ELEMENTS	00359	NUMBER OF ACTIVE ELEMENTS	00359
ACTIVE ELEMENT COUNT		ACTIVE ELEMENT COUNT	
TUBES	00000	TUBES	00000
DISCRETE SEMICONDUCTORS	00275	DISCRETE SEMICONDUCTORS	002.75
HYBRID ICS	00000	HYBRID ICS	00000
LINEAR/INTERFACE ICS	00048	LINEAR/INTERFACE ICS	00048
SSI/MSI DIGITAL ICS	00036	SSI/MSI DIGITAL ICS	00036
LSI/MEMORY ICS	00000	LSI/MEMORY ICS	00000
MICROPROCESSORS	00000	MICROPROCESSORS	00000

EQUIPMENT ID 365 EQUIPMENT ID 363 EQUIPMENT CATEGORY EQUIPMENT TYPE RADAR EQUIPMENT CATEGORY RADAR SIGNAL/DATA PROCESSOR EQUIPMENT TYPE RECEIVER DESIGN YEAR DESIGN YEAR DESIGN APPROACH DESIGN APPROACH SIDE LOOKING SIDE LOOKING ECCM **ECCM** MULTICHANNEL/MULTIFREQUENCY MULTICHANNEL/MULTIFREQUENCY MAJOR PARAMETERS VALUE MAJOR PARAMETERS VALUE WEICHT (LBS) 00019 WEICHT (LBS) 00319 VOLUME (CU. FT.) 0.4E0 VOLUME (CU. FT.) NO. OF MODULES 00035 TYPE OF COOLING TYPE OF COOLING FORCED AIR (FAN) AMBIENT AIR (NORMAL CONVECTION)
FORCED AIR (FAN) SELF TEST CAPABILITY AUTOMATED BIT SELF TEST CAPABILITY AUTOMATED BIT SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED SELF TEST IMPLEMENTATION PANEL INDICATORS SOFTWARE CONTROLLED DIAGNOSE TO/REPLACE LEVEL PANEL INDICATORS ASSY (SRU) DIAGNOSE TO/REPLACE LEVEL FAULT CONTROL ASSY (SRU) AUTOMATED ON LINE FAULT DETECTION FAULT CONTROL AUTOMATED OFF LINE FAULT ISOLATION FAULT ISOLATION AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT ISOLATION EQUIPMENT ID MANUAL FAULT ISOLATION EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE SIGNAL/DATA PROCESSOR DESIGN YEAR DESIGN APPROACH SIDE LOOKING **ECCM** EQUIPMENT ID 364 MULTICHANNEL/MULTIFREQUENCY EQUIPMENT CATEGORY EQUIPMENT TYPE RADAR SIGNAL/DATA PROCESSOR MAJOR PARAMETERS DESIGN YEAR WEIGHT (LBS) 00021 VOLUME (CU. FT.) 0.3E0 DESIGN APPROACH NO. OF MODULES 00012 SIDE LOOKING HEIGHT (IN) 00010 ECCM WIDTH (IN) 00007 MULTICHANNEL/MULTIFREQUENCY DEPTH (IN) 00016 POWER CONSUMPTION (W) 5.5E1 MAJOR PARAMETERS VALUE TYPE OF COOLING WEIGHT (LBS) 00022 FORCED AIR (FAN) SELF TEST CAPABILITY VOLUME (CU. FT.) 0.7EQ AUTOMATED BIT TYPE OF COOLING SELF TEST IMPLEMENTATION FORCED AIR (FAN) SOFTWARE CONTROLLED PANEL INDICATORS DIAGNOSE TO/REPLACE LEVEL SELF TEST CAPABILITY AUTOMATED BIT ASSY (SRU) SELF TEST IMPLEMENTATION FAULT CONTROL SOFTWARE CONTROLLED AUTOMATED ON LINE PAULT DETECTION PANEL INDICATORS AUTOMATED OFF LINE FAULT ISOLATION MANUAT. FAULT ISOLATION DIAGNOSE TO/REPLACE LEVEL COMPLEXITY ASSY (SRU) TOTAL NUMBER OF PARTS 01125 NUMBER OF DIFFERENT GENERIC PART TYPES NUMBER OF ACTIVE ELEMENTS 015 00292 FAULT CONTROL AUTOMATED ON LINE FAULT DETECTION ACTIVE ELEMENT COUNT AUTOMATED OFF LINE FAULT ISOLATION TUBES 00000 MANUAL **FAULT ISOLATION** DISCRETE SEMICONDUCTORS 00251 HYBRID ICS 00013 LINEAR/INTERFACE ICS 00021 SSI/MSI DIGITAL ICS 00007

LSI/MENORY ICS

MICROPROCESSORS

00000

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR DESIGN APPROACH SIDE LOOKING ECCM MULTICHANNEL/MULTIFREQUE	367 RADAR SIGNAL/DATA 74	PROCESSOR		ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00000 00126 00032 00052 00080 00000
MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN)		VALUE 00013 0.1E0 00010 00004 00007		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR DESIGN APPROACH	369 RADAR POWER SUPPL 74	Y
POWER CONSUMPTION (W) TYPE OF COOLING		3.5E1		SIDE LOOKING ECCM MULTICHANNEL/MULTIFREQU	ENCY	
FORCED AIR (FAN) SELF TEST CAPABILITY AUTOMATED BIT SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS				MAJOR PARAMETERS WEICHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEICHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)		VALUE 00049 0.7E0 00006 00010 00021 00007 3.3E2
DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)				TYPE OF COOLING FORCED AIR (FAN)		J. 3L2
FAULT CONTROL AUTOMATED ON LINE FAUL AUTOMATED OFF LINE FAUL MANUAL FAUL				SELF TEST CAPABILITY AUTOMATED BIT		
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	368 RADAR FREQ/TIMING	GENERA TOR		SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS DIAGNOSE TO/REPLACE LEVEL		
DESIGN APPROACH SIDE LOOKING ECCM MULTICHANNEL/MULTIFREQUE				ASSY (SRU) FAULT CONTROL AUTOMATED ON LINE FAUL AUTOMATED OFF LINE FAUL	LT DETECTION LT ISOLATION LT ISOLATION	
MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN)		VALUE 00033 1.1E0 00008 00010 00010 00023		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR DESIGN APPROACH	370 RADAR RECEIVER 74	
POWER CONSUMPTION (W) TYPE OF COOLING		1.4E2		SIDE LOOKING ECCH MULTICHANNEL/MULTIFREQUI	2NCY	
AMBIENT AIR (NORMAL CONVE SELF TEST CAPABILITY AUTOMATED BIT	ECTION)			MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN)		VALUE 00039 0.6E0 00021
SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS				DEPTH (IN) POWER CONSUMPTION (W) TYPE OF COOLING AMBIENT AIR (NORMAL CONV	PRCTTON)	00009 00013 2.8E1
DIAGNOSE TO/REPLACE LEVEL ASSY (SRU)				SELF TEST CAPABILITY AUTOMATED BIT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
FAULT CONTROL AUTOMATED ON LINE AUTOMATED OFF LINE MANUAL FAULT				SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS DIAGNOSE TO/REPLACE LEVEL		
COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER NUMBER OF ACTIVE ELEMENTS		002 90	6-120	ASSY (SRU) PAULT CONTROL AUTOMATED ON LINE AUTOMATED OFF LINE FAUL MANUAL FAUL	T DETECTION T ISOLATION T ISOLATION	

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	371 RADAR RECEIVER 74		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	373 RADAR MISC 74
DESIGN APPROACH SIDE LOOKING ECCM MULTICHANNEL/MULTIFREQ	UENCY		DESIGN APPROACH SIDE LOOKING ECCM MULTICHANNEL/MULTIFE	
MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)		VALUE 00020 0.2E0 00017 00008 00008 2.5E1	MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W TYPE OF COOLING	VALUE 00002 0.1E0 00001 00005 00006 2.0E0
TYPE OF COOLING AMBIENT AIR (NORMAL CO	NVECTION)		AMBIENT AIR (NORMAL SELF TEST CAPABILITY	CONVECTION)
SELF TEST CAPABILITY AUTOMATED BIT			AUTOMATED BIT SELF TEST IMPLEMENTATI	CON
SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS	I		SOFTWARE CONTROLLED PANEL INDICATORS	
DIAGNOSE TO/REPLACE LEVE ASSY (SRU)	3L		DIAGNOSE TO/REPLACE LE ASSY (SRU)	EVEL
AUTOMATED OFF LINE FA	AULT DETECTION AULT ISOLATION AULT ISOLATION			FAULT ISOLATION FAULT ISOLATION
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	372 RADAR RECEIVER 74		FQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR MISSION CRITICALITY	374 RADAR INDICATOR/CONTROL 74 HIGH
DESIGN APPROACH SIDE LOOKING ECCM MULTICHANNEL/MULTIFRE	QUENCY		DESIGN APPROACH ALPHANUMERIC KEYBOARD ENTRY INTERACTIVE	
MAJOR PARAMETERS WEIGHT (LB5) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)		VALUE 000 3 0 0 - 4 E 0 000 0 6 000 0 7 000 1 5 000 0 7 4 - 4 E 1	GRAPHIC MANUAL TECHNOLOGY CRT UNKNOWN UNKNOWN MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.)	VALUE 00076 1.2E0
TYPE OF COOLING AMBIENT AIR (NORMAL C	CONVECTION)		NO. OF MODULES POWER CONSUMPTION (W. TYPE OF COOLING AMBIENT AIR (NORMAL (• • • • • • • • • • • • • • • • • • • •
AUTOMATED BIT SELF TEST IMPLEMENTATIO SOFTWARE CONTROLLED PANEL INDICATORS) N		FORCED AIR (FAN) SELF TEST CAPABILITY SEMI AUTOMATED BIT SELF TEST IMPLEMENTATIO SOFTWARE CONTROLLED PANEL INDICATORS	N
DIAGNOSE TO/REPLACE LEV ASSY (SRU)	ÆL		DIAGNOSE TO/REPLACE LEV UNIT (LRU/PRU)	ÆL
	AULT DETECTION		FAULT CONTROL MANUAL F	RECONFIGURATION
AUTOMATED OFF LINE I MANUAL I	AULT ISOLATION		MAINTENANCE CONCEPT ORGANIZATIONAL	REMOVE & REPLACE
		c 101	ACTIVE ELEMENT COUNT TUBES	00004

377 RADAR EQUIPMENT ID 375 EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE INDICATOR/CONTROL EQUIPMENT TYPE INDICATOR/CONTROL DESIGN YEAR DESIGN YEAR DESIGN APPROACH DESIGN APPROACH INTERACTIVE ALPHANUMER IC KEYBOARD ENTRY MANUAL INTERACTIVE MANUAL TECHNOLOGY UNKNOWN TECHNOLOGY MAJOR PARAMETERS VALUE UNKNOWN WOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) 0.1E0 00002 MAJOR PARAMETERS VALUE VOLUME (CU. FT.) 0.1E0 00004 HEIGHT (IN) 00003 00004 DEPTH (IN) 00005 WIDTH (IN) 00005 MAINTENANCE CONCEPT DEPTH (IN) ORGANIZATIONAL REMOVE & REPLACE SELF TEST CAPABILITY SEMI AUTOMATED BIT SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS EQUIPMENT ID 378 EQUIPMENT CATEGORY RADAR DIAGNOSE TO/REPLACE LEVEL EQUIPMENT TYPE INDICATOR/CONTROL UNIT (LRU/PRU) DESIGN YEAR FAULT CONTROL DESIGN APPROACH AUTOMATED OFF LINE FAULT ISOLATION 001 MANUAL RECONFICURATION INTERACTIVE GRAPHIC MAINTENANCE CONCEPT REMOVE & REPLACE ORGANIZATIONAL TECHNOLOGY CRT UNKNOWN UNKNOWN MAJOR PARAMETERS VALUE VOLUME (CU. FT.) HEICHT (IN) 0.4E0 376 EQUIPMENT ID 00008 EQUIPMENT CATEGORY EQUIPMENT TYPE RADAR WIDTH (IN) 00010 A/D OR D/A DEPTH (IN) 00010 DESIGN YEAR SELF TEST CAPABILITY MAJOR PARAMETERS VALUE SEMI AUTOMATED BIT VOLUME (CU. FT.) 0.5E0 HEICHT (IN) 80000 SELF TEST IMPLEMENTATION WIDTH (IN) 00010 SOFTWARE CONTROLLED DEPTH (IN) 00010 PANEL INDICATORS DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU) FAULT CONTROL MANUAL RECONFIGURATION MAINTENANCE CONCEPT

ORGANIZATIONAL

TUBES

ACTIVE ELEMENT COUNT

REMOVE & REPLACE

EQUIPMENT ID

379

EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR

PAPAP INDICATOR/CONTROL

DESIGN APPROACH ALPHANUMER IC INTERACTIVE GRAPHIC

TECHNOLOGY UNINOWN

MAJOR PARAMETERS VALUE VOLUME (CU. FT.) 0.4E0 HEIGHT (IN) 00008 WIDTH (IN) 00010 DEPTH (IN) 00008

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

MANUAL.

RECONFICURATION

MAINTENANCE CONCEPT ORGANIZATIONAL

REMOVE & REPLACE

ACTIVE ELEMENT COUNT

TUBES

00002

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR

380 RADAR

INDICATOR/CONTROL

DESIGN APPROACH ALPHA NUMER IC INTERACTIVE **CRAPHIC**

TECHNOLOGY UNKNOWN UNKNOWN

MAJOR PARAMETERS UNKNOWN UNKNOWN DISPLAY AREA (SQ IN) UNKNOWN VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN)

SELF TEST CAPABILITY SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION SOFTWARE CONTROLLED PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)

FAULT CONTROL

MANUAL

RECONFIGURATION

MAINTENANCE CONCEPT

ORGANIZATIONAL

REMOVE & REPLACE

ACTIVE ELEMENT COUNT

TUBES

00001

VALUE

00003

00003

00007

00004

0.1E0

00003

00003

00007

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR

381 RADAR POWER SUPPLY

MAJOR PARAMETERS VOLUME (CU. FT.) HEIGHT (IN) WIDTH (IN) DEPTH (IN)

VALUE 0.1E0 00002 00003 00005

EQUIPMENT ID	382		EQUIPMENT ID	383	
EQUIPMENT CATEGORY	RADAR		EQUIPMENT CATEGORY	RADAR	
EQUIPMENT TYPE	COMPUTER		EQUIPMENT TYPE	RECEIVER	
APPLICATION	AIRCRAFT		DESIGN YEAR	74	
MISSION LENGTH	1 TO 8 HRS.		APPLICATION	AIRCRAFT	
			MISSION LENGTH	1 TO 8 HRS.	
DESIGN APPROACH					
PARALLEL			DESIGN APPROACH		
DMA CHANNEL			SIDE LOOKING		
PARITY CHECKING			ECCM		
DIGITAL			MULTICHANNEL/MULTIFR	EQUENCY	
GENERAL PURPOSE					
TECHNOLOGY			"A JOR PARAMETERS		VALUE
			WEIGHT (LBS)		00014
MACNETIC CORE			VOLUME (CU. FT.)		0.1E0
WARD DANAMERO			HEIGHT (IN)		00009
MAJOR PARAMETERS		VALUE	WIDTH (IN)		00004
CLOCK FREQ (HZ)		1.0E6	DEPTH (IN)		00007
WORD LENGTH (CHAR)		00016	POWER CONSUMPTION (W)	3.2E1
MEMORY SIZE (WORDS)	•	6.6E4			
INTERRUPT LEVELS		00024	TYPE OF COOLING		
NO. OF BUSSES		00001	AMBIENT AIR (NORMAL	CONVECTION)	
NO. OF REGISTERS		00010			
NO. OF INPUT PORTS		00002	SELF TEST CAPABILITY		
NO. OF OUTPUT PORTS WEIGHT (LBS)	•	00002	AUTOMATED BIT		
VOLUME (CU. PT.)		00054			
NO. OF MODULES		1.120	SELF TEST IMPLEMENTATION	ON	
HEIGHT (IN)		00004	SOFTWARE CONTROLLED		
WIDTH (IN)		00018 00008	PANEL INDICATORS		
DEPTH (IN)		00008	DIACNOSE TO DETRACE IN	I PA 1	
POWER CONSUMPTION (็นา	2.8E2	DIAGNOSE TO/REPLACE LE ASSY (SRU)	VEL	
TOWER CONSCRIPTION (/	2.0E2	A551 (5KU)		
TYPE OF COOLING			FAULT CONTROL		
FORCED AIR (FAN)			AUTOMATED ON LINE	FAIRT DETECTION	
			AUTOMATED OFF LINE		
SELF TEST CAPABILITY				FAULT ISOLATION	
SEMI AUTOMATED BIT			. BUILDAD	FAULT ISOLATION	
			COMPLEXITY		
SELF TEST IMPLEMENTAT	ion		TOTAL NUMBER OF PART	s	00183
GENERAL PURPOSE COM	PUTER		NUMBER OF DIFFERENT	GENERIC PART TYPES	
SOFTWARE CONTROLLED	1		NUMBER OF ACTIVE ELE	MENTS	00041
PANEL INDICATORS					
			ACTIVE ELEMENT COUNT		
DIAGNOSE TO/REPLACE L	EVEL		TUBES		00000
UNIT (LRU/PRU)			DISCRETE SEMICONDUCTO	DRS	00006
			HYBRID ICS		00035
FAULT CONTROL			LINEAR/INTERFACE ICS		00000
AUTOMATED OFF LINE	RECONFIGURATION		SSI/MSI DIGITAL ICS		00000
MANUAL	RECONFIGURATION		LSI/MEMORY ICS		00000
			MICROPROCESSORS		00000
MAINTENANCE CONCEPT					
IN FLIGHT MAINTENAN					
ORGANIZATIONAL	REMOVE & REPLAC	CE			

The control of the second of t

EQUIPMENT ID 384 EQUIPMENT ID 385 EQUIPMENT CATEGORY GUIDANCE/NAVIGATION EQUIPMENT CATEGORY **CUIDANCE/NAVIGATION** EQUIPMENT TYPE RECEIVER EQUIPMENT TYPE ANTENNA APPLICATION AIRCRAFT APPLICATION AIRCRAFT MISSION LENGTH >8 HRS. MISSION LENCTH >8 HRS. MISSION CRITICALITY HIGH MISSION CRITICALITY DESIGN APPROACH DESIGN APPROACH RADIO RADIO LORAN OR OMEGA **GEOGRAPHIC POSITION** MAJOR PARAMETERS VALUE RANGE (MILES) 8.0E3 TECHNOLOGY FREQUENCY BAND VLF DEAD RECKONING WEICHT (LBS) 00003 RADTO VOLUME (CU. FT.) 0.1E0 NO. OF MODULES 00001 MAJOR PARAMETERS VALUE HEIGHT (IN) 00002 POSITION ACCURACY (FT) 2.4E4 WIDTH (IN) 00006 RANCE (MILES) 8.0E3 DEPTH (IN) 00006 WAY POINTS 00009 DESTINATIONS FAULT TOLERANCE 00008 FREQUENCY BAND VI.F NONE WEICHT (LBS) 00032 VOLUME (CU. FT.) 1.0E0 TYPE OF COOLING AMBIENT AIR (NORMAL CONVECTION) NO. OF MODULES 00016 FAULT TOLERANCE SELF TEST CAPABILITY NONE SEMI AUTOMATED BIT TYPE OF COOLING SELF TEST IMPLEMENTATION AMBIENT AIR (NORMAL CONVECTION) MICROPROCESSOR HARDWARE CONTROLLED SELF TEST CAPABILITY PANEL INDICATORS SEMI AUTOMATED BIT DIAGNOSE TO/REPLACE LEVEL SELF TEST IMPLEMENTATION UNIT (LRU/PRU) MICROPROCESSOR HARDWARE CONTROLLED FAULT CONTROL PANEL INDICATORS AUTOMATED ON LINE FAULT DETECTION AUTOMATED OFF LINE FAULT ISOLATION DIAGNOSE TO/REPLACE LEVEL FAULT ISOLATION MANUAL UNIT (LRU/PRU) MAINTENANCE CONCEPT FAULT CONTROL THROW AWAY MAINTENANCE REMOVE & REPLACE AUTOMATED ON LINE FAULT DETECTION IN FLIGHT MAINTENANCE NONE AUTOMATED OFF LINE FAULT ISOLATION ORGANIZATIONAL REMOVE & REPLACE FAULT ISOLATION INTERMEDIATE MINOR REPAIR DEPOT NONE MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE MAINTENANCE ECHELONS ORGANIZATIONAL REMOVE & REPLACE **ECHELON** SKILL LEVEL PERSONNEL INTERMEDIATE MINOR REPAIR ORGANIZATION DEPOT MAJOR REPAIR COMPLEXITY TOTAL NUMBER OF PARTS MAINTENANCE ECHELONS 00077 **ECHELON** SKILL LEVEL PERSONNEL NUMBER OF ACTIVE ELEMENTS 00021 ORGANIZATION ACTIVE ELEMENT COUNT COMPLEXITY 00000 TUBES TOTAL NUMBER OF PARTS DISCRETE SEMICONDUCTORS 00838 00021 NUMBER OF ACTIVE ELEMENTS 00322 HYBRID ICS 00000 LINEAR/INTERFACE ICS 00000 ACTIVE ELEMENT COUNT SSI/MSI DIGITAL ICS 00000 00000 TUBES LSI/MEMORY ICS 00000 DISCRETE SEMICONDUCTORS 00073 **MICROPROCESSORS** 00000

00003

00013

00099

00133

00001

HYBRID ICS

LINEAR/INTERFACE ICS

SSI/MSI DIGITAL ICS

LSI/MEMORY ICS

MICROPROCESSORS

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE APPLICATION MISSION LENGTH MISSION CRITICALITY	386 GUIDANCE/NAVIGATION INDICATOR/CONTROL AIRCRAFT >8 HRS. HIGH	EQUIPMENT ID EQUIPMENT CATECORY EQUIPMENT TYPE APPLICATION MISSION LENGTH MISSION CRITICALITY	387 CUIDANCE/NAVIGATION SIGNAL/DATA PROCESSOR AIRCRAFT >8 HRS. HIGH
DESICN APPROACH ALPHANUMERIC KEYBOARD ENTRY MANUAL		DESIGN APPROACH DIGITAL DEDICATED	
MAJOR PARAMETERS NUMBER OF KEYS	VALUE 00014	TECHNOLOGY SEMICONDUCTOR	
DISPLAY AREA (SQ IN) NO. OF CONTROLS WEIGHT (LBS)	00006 00005 00004	MAJOR PARAMETERS NO. OP INPUT PORTS NO. OP OUTPUT PORTS	VALUE 00006 00010
VOLUME (CU. FT.) NO. OF MODULES	0.1E0 00005	WEIGHT (LBS) VOLUME (CU. FT.)	00025 0-6E0
HEICHT (IN) WIDTH (IN) DEPTH (IN)	00006 00006 00007	NO. OF MODULES HEICHT (IN) WIDTH (IN) DEFTH (IN)	00010 00008 00007 00020
FAULT TOLERANCE NONE		FAULT TOLERANCE NONE	
TYPE OF COOLING AMBIENT AIR (NORMAL CONV	ECTION)	TYPE OF COOLING AMBIENT AIR (NORMAL CONVE	CTION
SELF TEST CAPABILITY SEMI AUTOMATED BIT		SELF TEST CAPABILITY SEMI AUTOMATED BIT	C110N)
SELF TEST IMPLEMENTATION MICROPROCESSOR HARDWARE CONTROLLED PANEL INDICATORS		SELF TEST IMPLEMENTATION MICROPROCESSOR HARDWARE CONTROLLED PANEL INDICATORS	
DIACNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)		DIAGNOSE TO/REPLACE LEVEL UNIT (LRU/PRU)	
		FAULT CONTROL AUTOMATED ON LINE FAULT AUTOMATED OFF LINE FAULT MANUAL FAULT	
MAINTENANCE CONCEPT IN FLICHT MAINTENANCE ORGANIZATIONAL INTERMEDIATE DEPOT MAINTENANCE ECHELONS	NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR	organizational Intermediate	NONE REMOVE & REPLACE MINOR REPAIR MAJOR REPAIR
ECHELON SKILL L ORGANIZATION 3	EVEL PERSONNEL	MAINTENANCE ECHELONS ECHELON SKILL LE ORGANIZATION 3	vel personnel
COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENT	00121 00058	COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS	00640 00243
ACTIVE ELEMENT COUNT			
TUBES DISCRETE SEMICONDUCTORS	00000 00001	ACTIVE ELEMENT COUNT TUBES	00000
HYBRID ICS	00000	DISCRETE SEMICONDUCTORS	00051
LINEAR/INTERFACE ICS	00000	HYBRID ICS	00003
SSI/MSI DIGITAL ICS	00027	LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS	00013 00072
LSI/MEMORY ICS MICROPROCESSORS	00030 00000	LSI/MEMORY ICS MICROPROCESSORS	00072 00103 00001

EQUIPMENT ID EQUIPMENT CATEGORY DESIGN APPROACH	388 COMMUNICATIONS		EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION		397,397A RADAR 68 AIRCRAFT	
RADIO AUDIO/VOICE TRANSCEIVER	•		DESIGN APPROACH SUR VEILLANCE/SEARCH MULTICHANNEL/MULTIF		:Y	
TECHNOLOGY SOLID STATE AM WIDE BAND			TECHNOLOGY MACHETRON OSCILLATING			
MAJOR PARAMETERS PREQ BAND AVG RF POWER (W) SIMULTANEOUS CHANNELS CHANNEL WIDTH (HZ) RECEIVER SENSITIVITY (UV)	2 0 2	ALUE UHF • OE 1 000 1 • 5E 4 • OE 0	MAJOR PARAMETERS FREQ BAND DETECTION RANGE (MI PEAK RF FOWER (W) AVC RF FOWER (W) PRF (HZ) AZ COVERAGE/ANGLE (SCAN RATE (/MIN) POLARIZATION	·		VALUE X 050.0 1.4E5 1.1E2 01600 360.0 012.0
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	389 COMMUNICATIONS INDICATOR/CONTRO)L	BEAM WIDTH (DEG) ELEV. COVERAGE/ANGL ANTENNA GAIN (DB) POWER CONSUMPTION (•	002.5 030.0 034.0 6.0E3
DESIGN APPROACH MANUAL CONTROL			SELF TEST CAPABILITY AUTOMATED BIT			
TECHNOLOGY ACOUSTIC/AUDIO ELECTROMECHANICAL			SELF TEST IMPLEMENTAT HARDWARE CONTROLLED PANEL INDICATORS			
MAJOR PARAMETERS NO. OF CONTROLS		VALUE 00009	DIAGNOSE TO/REPLACE L PIECE PART FAULT CONTROL AUTOMATED ON LINE AUTOMATED OFF LINE MANUAL	NONE RECON	FIGURATION FIGURATION	
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE	390 COMMUNICATIONS TRANSCEIVER		MAINTENANCE CONCEPT IN FLIGHT MAINTENAN ORGANIZATIONAL INTERMEDIATE	CE 1	NONE REMOVE & REPLA MAJOR REPAIR	ACE
DESIGN APPROACH RADIO AUDIO/VOICE TRANSCEIVER			TOTAL NUMBER OF PAR NUMBER OF DIFFERENT NUMBER OF ACTIVE EL	GENER	IC PART TYPES	04417 018 01112
TECHNOLOGY SOLID STATE AM WIDE BAND			ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUC HYBRID ICS LINEAR/INTERFACE IC SSI/MSI DICTAL ICS	s		00003 00917 00000 00192 00000
MAJOR PARAMETERS FREQ BAND AVG RF FOWER (W) SIMULTANEOUS CHANNELS CHANNEL WIDTH (HZ) RECEIVER SENSITIVITY (UV)	; !	VALUE UHF 2.0E1 00001 2.5E4 3.0E0	LSI/MEMORY ICS MICROPROCESSORS			00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

399.399A RADAR INDICATOR/CONTROL 68 AIRCRAFT EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

400 ,400A RADAR INDICATOR/CONTROL 68 AIRCRAFT

DESIGN APPROACH INTERACTIVE MANUAL

TECHNOLOGY UNKNOWN

SELF TEST CAPABILITY NONE

DIAGNOSE TO/REPLACE LEVEL PIECE PART

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT

AUTOMATED OFF LINE FAULT DETECTION MANUAL FAULT DETECTION

MAINTENANCE CONCEPT

INTERMEDIATE

IN FLIGHT MAINTENANCE NORGANIZATIONAL R

NONE REMOVE & REPLACE MAJOR REPAIR

COMPLEXITY

TOTAL NUMBER OF PARTS 00009
NUMBER OF DIFFERENT GENERIC PART TYPES 005
NUMBER OF ACTIVE ELEMENTS 00001

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00001
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

INTERACTIVE MANUAL TECHNOLOGY UNKNOWN

DESIGN APPROACE

SELF TEST CAPABILITY

DIAGNOSE TO/REPLACE LEVEL PIECE PART

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE

ORGANIZATIONAL REMOVE & REPLACE INTERMEDIATE MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS
00061
NUMBER OF DIFFERENT GENERIC PART TYPES
007
NUMBER OF ACTIVE ELEMENTS
00012

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00000
HYBRID ICS 00000
LINFAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT CATEGORY	RADAR	EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	ANTENNA	EQUIPMENT TYPE	INDICATOR/CONTROL
	68	DESIGN YEAR	68
APPLICATION	AIRCRAFT	APPLICATION	AIRCRAFT
DESIGN APPROACH		DESIGN APPROACH	
SUR VEILLANCE/SEARCH		INTERACTIVE	
MULTICHANNEL/MULTIPREQUENC	Y	MANUA L	
TECHNOLOGY		TECHNOLOGY	
MAGNETR ON		UNKNOWN	
OSCILLATING		METER	
MAJOR PARAMETERS	VALUE	SELF TEST CAPABILITY	
FREQ BAND	x	AUTOMATED BIT	
DETECTION RANGE (MILES)	050.0		
PEAK RF POWER (W)	1.4E5	SELF TEST IMPLEMENTATION	ī
AVC RF POWER (W)	1.1E2	HARDWARE CONTROLLED	
PRF (HZ)	01600	PANEL INDICATORS	
AZ COVERAGE/ANGLE (DEG)	360.0		
SCAN RATE (/MIN)	012.0	DIAGNOSE TO/REPLACE LEVE	EL .
POLAR IZATION	Н	PIECE PART	
BEAM WIDTH (DEG)	002.5		
ELEV. COVERAGE/ANGLE (DEC)		FAULT CONTROL	
ANTENNA GAIN (DB)	034.0	AUTOMATED ON LINE NO	
POWER CONSUMPTION (W)	6.0E3	AUTOMATED OFF LINE RE MANUAL RE	CONFIGURATION CONFIGURATION
SELF TEST CAPABILITY			
NONE		MAINTENANCE CONCEPT	
		IN FLIGHT MAINTENANCE	
DIAGNOSE TO/REPLACE LEVEL		ORGANIZATIONAL	REMOVE & REPLACE
PIECE PART		INTERMEDIATE	MAJOR REPAIR
FAULT CONTROL		COMPLEXITY	
AUTOMATED ON LINE NONE		TOTAL NUMBER OF PARTS	
AUTOMATED OFF LINE FAULT		NUMBER OF DIFFERENT GE	
MANUAL FAULT	DETECTION	NUMBER OF ACTIVE ELEME	ENTS 00632
MAINTFNANCE CONCEPT		ACTIVE ELEMENT COUNT	
IN FLIGHT MAINTENANCE N		TUBES	00000
	EMOVE & REPLACE	DISCRETE SEMICONDUCTOR	IS 00462
INTERMEDIATE M	AJOR REPAIR	HYBRID ICS	00000
		LINEAR/INTERFACE ICS	001 70
COMPLEXITY		SSI/MSI DIGITAL ICS	00000
TOTAL NUMBER OF PARTS	00013	_	
NUMBER OF DIFFERENT GENERI		LSI/MEMORY ICS	00000
NUMBER OF ACTIVE ELEMENTS	00003	MICROPROCESSORS	00000
ACTIVE ELEMENT COUNT			
TUBES	00000		
DISCRETE SEMICONDUCTORS	00003		
HYBRID ICS	00000		
LINEAR/INTERFACE ICS	00000		
SSI/MSI DIGITAL ICS	00000		
LSI/MEMORY ICS	00000	EQUIPMENT ID	405
Microprocessors	00000	EQUIPMENT CATEGORY	ECM/EW
		EQUIPMENT TYPE	INDICATOR/CONTROL
		DESIGN YEAR	72

EQUIPMENT ID

401,401A

EQUIPMENT ID

398, 398A

PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510

403 EQUIPMENT ID ECUIPMENT ID 402 402A EQUIPMENT CATEGORY ECM/EW EQUIPMENT CATEGORY RADAR EQUIPMENT TYPE RECEIVER EQUIPMENT TYPE TRANSCEIVER DESIGN YEAR DESIGN YEAR APPLICATION AIRCRAFT DESIGN APPROACH ACOUSTIC DESIGN APPROACH SURVEILLANCE/SEARCH PART QUALITY GRADE/SCREEN CLASS MULTICHANNEL/MULTIFREQUENCY TXV/JAN 38510 TECHNOLOCY TYPE OF COOLING MACNETRON FORCED AIR (FAN) OSCILLATING COMPLEXITY MAJOR PARAMETERS VALUE TOTAL NUMBER OF PARTS FREC BAND NUMBER OF DIFFERENT CENERIC PART TYPES 019 DETECTION RANGE (MILES) 050.0 NUMBER OF ACTIVE ELEMENTS 04704 PEAK RF POWER (W) 1.4E5 AVC RF POWER (W) 1.1E2 ACTIVE ELEMENT COUNT PRF (HZ) 01600 00000 TUBES AZ COVERAGE/ANGLE (DEC) 360.0 01936 DISCRETE SEMICONDUCTORS SCAN RATE (/MIN) 012.0 00141 HYBRID ICS POLARIZATION Н 00308 LINEAR/INTERFACE ICS BEAM WIDTH (DEC) 002.5 SSI/MSI DIGITAL ICS 02002 ELEV. COVERAGE/ANGLE (DEC) 030.0 LSI/MEMORY ICS 00312 ANTENNA CAIN (DB) 034.0 MICROPROCESSORS 00000 POWER CONSUMPTION (W) 6.0E3 SELF TEST CAPABILITY AUTOMATED BIT SELF TEST IMPLEMENTATION HARDWARE CONTROLLED EQUIPMENT ID 404 PANEL INDICATORS EQUIPMENT CATEGORY ECM/EW EQUIPMENT TYPE ANTENNA DIACNOSE TO/REPLACE LEVEL DESIGN YEAR 72 PIECE PART DESIGN APPROACH FAULT CONTROL ACOUSTIC NONE AUTOMATED ON LINE AUTOMATED OFF LINE RECONFIGURATION PART QUALITY GRADE/SCREEN CLASS MANUAL RECONFIGURATION TXV/JAN 38510 MAINTENANCE CONCEPT IN FLIGHT MAINTENANCE NONE REMOVE & REPLACE ORGANIZATIONAL EQUIPMENT ID 406 INTERMEDIATE MAJOR REPAIR EQUIPMENT CATEGORY ECM/EW EQUIPMENT TYPE RECEIVER COMPLEXITY DESIGN YEAR 72 TOTAL NUMBER OF PARTS 01834 NUMBER OF DIFFERENT GENERIC PART TYPES 018 DESIGN APPROACH NUMBER OF ACTIVE ELEMENTS 00464 ACOUSTIC ACTIVE ELEMENT COUNT PART QUALITY GRADE/SCREEN CLASS TURES 00003 TXV/JAN 38510 DISCRETE SEMICONDUCTORS 00442 HYBRID ICS 00000

00019

00000

00000

00000

LINEAR/INTERFACE ICS

SSI/MSI DIGITAL ICS

LSI/MEMORY ICS

MICROPROCESSORS

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	407 GUIDANCE/NAVIGATION INDICATOR/CONTROL 70	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR	408 GUIDANCE/NAVIGATION INDICATOR/CONTROL 70
APPLICATION	AIRCRAFT	APPLICATION	AIRCRAFT
DES ICH APPROACH ALPHANUMER IC INTERACTIVE GRAPHIC		DES IGN APPROACH ALPHA NUMER IC INTERACTIVE CRAPHIC	
CLOSED LOOP CONTROL DISPLAY		CLOSED LOOP CONTROL DISPLAY	
TECHNOLOGY		Technology	
SER VO ELECTROMECHANICAL		SER VO ELECTROMECHANICAL	
MAJOR PARAMETERS	VALUE		
WEIGHT (LBS)	00015	MAJOR PARAMETERS	VALUE
WOLUME (CU. FT.)	0.420	DISPLAY AREA (SQ IN)	00020
NO. OF MODULES	00015	NO. OF CONTROLS	00002
POWER CONSUMPTION (W)	3.6E1	WEIGHT (LBS) WOLUME (CU. FT.)	00006 0.1E0
PART QUALITY GRADE/SCREEN (TX/883	CLASS	NO. OF MODULES HEIGHT (IN) WIDTH (IN)	00005 00004 00005
COMPLEXITY		DEPTH (IN)	00006
TOTAL NUMBER OF PARTS	00499	•	
NUMBER OF ACTIVE ELEMENTS	5 00213	PART QUALITY GRADE/SCREEN CT TX/883	LASS
ACTIVE ELEMENT COUNT			
TUBES	00000	COMPLEXITY	
DISCRETE SEMICONDUCTORS	00122	TOTAL NUMBER OF PARTS	00303
HYBRID ICS	80000	NUMBER OF ACTIVE ELEMENTS	00127
LINEAR/INTERFACE ICS	80000		
SSI/MSI DIGITAL ICS	00062	ACTIVE ELEMENT COUNT	
LSI/MEMORY ICS	00013	TUBES	00000
MICROPROCESSORS	00000	DISCRETE SEMICONDUCTORS	00086
		HYBRID ICS	00006
		LINEAR/INTERFACE ICS	00003
		SSI/MSI DIGITAL ICS	00023
		LSI/MEMORY ICS	00009
		MICROPROCESSORS	00000

EQUIPMENT ID	409	EQUIPMENT ID EQUIPMENT CATECORY	410 COMPUTER
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION	DESIGN YEAR	70
EQUIPMENT TYPE	SIGNAL/DATA PROCES!	APPLICATION	AIRCRAFT
DESIGN YEAR	70	NII DI GRI I ON	AIRORAI I
APPLICATION	AIRCRAFT	DESIGN APPROACH	
		ANALOG	
DESIGN APPROACH		DIGITAL	
DIGITAL		GENERAL PURPOSE	
DEDICATED		GENERAL FURFUSE	
		TECHNOLOGY	
TECHNOLOGY		MAGNETIC CASSETTE TAP	E
SEM ICONDUCTOR		HARDWIRED	_
MAJOR PARAMETERS	VALI		
CLOCK FREQ (HZ)	1.01	MAJOR PARAMETERS	VALUE
WORD LENGTH (CHAR)	000:	NO. OF INPUT PORTS	80000
MEMORY SIZE (WORDS)	1.61	NO. OF OUTPUT PORTS	00002
NO. OF INPUT PORTS	0000	WEICHT (LBS)	00034
NO. OF OUTPUT PORTS	0000	VOLUME (CU. FT.)	0.7E0
WEIGHT (LBS)	0000	NO. OF MODULES	00025
VOLUME (CU. FT.)	0.31	HEIGHT (IN)	00006
NO. OF MODULES	000:	WIDTH (IN)	00010
HEIGHT (IN)	0000	DEPTH (IN)	00021
WIDTH (IN)	0001	POWER CONSUMPTION (W)	1.6E2
DEPTH (IN)	000:	• •	
DEFIN (IN)	000.	PART QUALITY GRADE/SCREE	EN CLASS
PART QUALITY GRADE/SCREEN CI	ACC	TXV/JAN 38510	
TX/883	3A00	TX/883	
111,003			
COMPLEXITY		TYPE OF COOLING	
TOTAL NUMBER OF PARTS	00196	AMBIENT AIR (NORMAL C	ONVECTION)
NUMBER OF ACTIVE ELEMENTS	00086		
		COMPLEXITY	
ACTIVE ELEMENT COUNT		NUMBER OF ACTIVE ELEM	ENTS 00587
TUBES	00000		
DISCRETE SEMICONDUCTORS	00036	ACTIVE ELEMENT COUNT	
HYBRID ICS	00002	TUBES	00000
LINEAR/INTERFACE ICS	00005	DISCRETE SEMICONDUCTOR	
SSI/MSI DIGITAL ICS	00039	HYBRID ICS	00011
LSI/MEMORY ICS	00004	LINEAR/INTERFACE ICS	00031
MICROPROCESSORS	00000	SSI/MSI DIGITAL ICS	00154
HICRUFRUCESONS	0000	LSI/MEMORY ICS	00008
		MICROPROCESSORS	00000

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	411 COMPUTER SIGNAL/DATA PROCESSOR 70 AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY DESIGN YEAR APPLICATION	413 CONTROLS/DISPLAYS 73 AIRCRAFT
DESIGN APPROACH			
ANALOG			
DIGITAL GENERAL PURPOSE			
TECHNOLOGY MACNETIC CASSETTE TAPE HARDWIRED		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	414 CONTROLS/DISPLAYS MISC 73 AIRCRAFT
HAJOR PARAMETERS	VALUE		
NO. OF INPUT PORTS	80000		
NO. OF OUTPUT PORTS	00002		
VOLUME (CU. FT.)	0.7E0		
NO. OF MODULES HEIGHT (IN)	00021 00006		
WIDTH (IN)	00010		
DEPTH (IN)	00021	POLITERATION	
		EQUIPMENT ID EQUIPMENT CATEGORY	415
PART QUALITY GRADE/SCREEN C	CLASS	EQUIPMENT TYPE	CONTROLS/DISPLAYS SIGNAL/DATA PROCESSOR
TXV/JAN 38510 TX/883		DESIGN YEAR APPLICATION	73 AIRCRAFT
TYPE OF COOLING			•
AMBIENT AIR (NORMAL CONVE	CTION)		
COMPLEXITY			
NUMBER OF ACTIVE ELEMENTS	00587		
ACTIVE ELEMENT COUNT			
TUBES	00000	EQUIPMENT ID	416
DISCRETE SEMICONDUCTORS HYBRID ICS	00383	EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
LINEAR/INTERFACE ICS	00011 00031	EQUIPMENT TYPE	INDICATOR/CONTROL
SSI/MSI DIGITAL ICS	00154	DESIGN YEAR APPLICATION	73
LSI/MEMORY ICS	00008	AFFLICATION	AIRCRAFT
MICROPROCESSORS	00000		
EQUIPMENT ID EQUIPMENT CATEGORY	412 COMPUTER		
EQUIPMENT TYPE	MISC		
DESIGN YEAR APPLICATION	70 AIRCRAFT	EQUIPMENT ID	417
ALL MICH LION	ATRONAL I	EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
TECHNOLOGY MAGNETIC CASSETTE TAPE HARDWIRED		DESIGN YEAR APPLICATION	73 AIRCRAFT
MAJOR PARAMETERS NO. OF MODULES	VALUE 00001		
COMPLEXITY NUMBER OF ACTIVE ELEMENTS	3 00000		
MITIVE ELEMENT COUNT			
TUBES	00000	EQUIPMENT ID	418
DISCRETE SEMICONDUCTORS	00000	EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
HYBRID ICS	00000	EQUIPMENT TYPE DESIGN YEAR	INDICATOR/CONTROL
LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS	00000 00000	APPLICATION	73 AIRCRAFT
LSI/MEMORY ICS	00000	-	THE THE STATE OF T
MICROPROCESSORS	00000		

EQUIPMENT ID 419 EQUIPMENT ID 421 EQUIPMENT CATEGORY CONTROLS/DISPLAYS EQUIPMENT CATEGORY CUIDANCE/NAVIGATION EQUIPMENT TYPE INDICATOR/CONTROL EQUIPMENT TYPE INERTIAL REFERENCE DESIGN YEAR AIRCRAFT APPLICATION AI PLICATION AIRCRAFT TECHNOLOGY INERTIAL CIMBALED PART QUALITY GRADE/SCREEN CLASS TXV/JAN 38510 EQUIPMENT ID 420 GUIDANCE/NAVIGATION EQUIPMENT CATEGORY APPLICATION AIRCRAFT MAINTENANCE CONCEPT TECHNOLOGY ORGANIZATIONAL INERTIAL INTERMEDIATE GIMBALED COMPLEXITY PART QUALITY GRADE/SCREEN CLASS TOTAL NUMBER OF PARTS 01468 TXV/JAN 38510 NUMBER OF DIFFERENT GENERIC PART TYPES 014 TX/883 NUMBER OF ACTIVE ELEMENTS 00396 MAINTENANCE CONCEPT ACTIVE ELEMENT COUNT ORGANIZATIONAL 00000 TUBES INTERMEDIATE DISCRETE SEMICONDUCTORS 00154 00060 HYBRID ICS COMPLEXITY LINEAR/INTERPACE ICS 00084 TOTAL NUMBER OF PARTS 02711 00098 SSI/MSI DIGITAL 1CS NUMBER OF DIFFERENT GENERIC PART TYPES 014 00000 LSI/MEMORY ICS NUMBER OF ACTIVE ELEMENTS 00870 00000 MICROPROCESSORS ACTIVE ELEMENT COUNT 00000 TUBES DISCRETE SEMICONDUCTORS 00473 00093 HYBRID ICS LINEAR/INTERFACE ICS 00124 SSI/MSI DIGITAL ICS 00180

00000

00000

LSI/MEMORY ICS

MICROPROCESSORS

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE APPLICATION PART QUALITY GRADE/SCREEN	422 GUIDANCE/NAV MISC AIRCRAFT	/IGATION	EQUIPMENT ID FQUIPMENT CATEGORY EQUIPMENT TYPE APPLICATION TECHNOLOGY	424 PCM/EM AMPLIPIER, AIRCRAFT	RF
TXV/JAN 38510 TX/883			TWT		
MAINTENANCE CONCEPT ORGANIZATIONAL INTERMEDIATE	5 5		MAJOR PARAMETERS WEIGHT (LBS) VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)		VALUE 00062 1.5E0 00012 00013
COMPLEXITY TOTAL NUMBER OF PARTS NUMBER OF DIFFERENT GENER NUMBER OF ACTIVE ELEMENT:		01243 013 00474	WIDTH (IN) DEPTH (IN) COMPLEXITY		00008 00025
ACTIVE ELEMENT COUNT TUBES		00000	TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS		02154 00664
DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00319 00033 00040 00082 00000 00000	ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DICITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00002 00526 00000 00062 00074 00000
EQUIPMENT ID EQUIPMENT CATEGORY	423 BCM/ <i>E</i> W				
APPLICATION DESIGN APPROACH MULTIMODE CAPABILITY	AIRCRAFT		EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE APPLICATION	425 ECM/EW SIGNAL/DATA AIRCRAFT	PR OC ES SOR
PULSED MULTICHANNEL/MULTIFREQUE	NCY		MAJOR PARAMETERS WEIGHT (LBS)		VALUE 00050
TECHNOLOGY TWT			VOLUME (CU. FT.) NO. OF MODULES HEIGHT (IN)		1.5E0 00007 00013
MAJOR PARAMETERS VOLUME (CU. FT.) NO. OF MODULES BOULER CONSUMERTON (U)		VALUE 6.5E0 00045 7.2E3	WIDTH (IN) DEPTH (IN) COMPLEXITY		00008 00025
POWER CONSUMPTION (W) COMPLEXITY		7.2E3	TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS		03821 00925
TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENT	s	16138 04485	ACTIVE ELEMENT COUNT TUBES		00000
ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00004 02844 00000 00640 00967 00021 00009	DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DICITAL ICS LSI/MEMORY ICS MICROPROCESSORS		00458 00000 00180 00276 00008 00003

EQUIPMENT ID EQUIPMENT CATEGORY	426 ECM/EW		EQUIPMENT ID EQUIPMENT CATEGORY	428 CUIDANCE/NAVIGAT	TION
EQUIPMENT TYPE	AMPLIFIER, RF		DESIGN YEAR	73	
APPLICATION	AIRCRAFT		APPLICATION	AIRCRAFT	
			MISSION LENGTH	1 TO 8 HRS.	
TECHNOLOGY					
IVI			DESIGN APPROACH		
			LORAN OR OMEGA		
MAJOR PARAMETERS		VALUE	GEOGRAPHIC POSITION		
WEIGHT (LBS)		00054			
WOLUME (CU. FT.)		1.5E0	TECHNOLOGY		
NO. OF MODULES		00012	INERTIAL		
HEIGRT (IN)		00013	DEAD RECKONING		
WIDTH (IN)		00003	RADIO		
DEPTH (IN)		00025	GIMBALED		
COMPLEXITY			MAJOR PARAMETERS	•	VALUE
TOTAL NUMBER OF PARTS		04306	POSITION ACCURACY (FT)		1.2E4
NUMBER OF ACTIVE ELEMENTS		01326	RANGE (MILES)		1.9E3
			DESTINATIONS		00020
ACTIVE ELEMENT COUNT			VELOCITY ACCURACY (FT/SEC))	00017
TUBES		00002	HEADING ACCURACY (DEG)		01.00
DISCRETE SEMICONDUCTORS		01052	FREQUENCY BAND		LF
HYBRID ICS		00000	•		
LINEAR/INTERFACE ICS		00124	FAULT TOLERANCE		
SSI/MSI DIGITAL ICS		00148	DEGRADED MODES		
LSI/MEMORY ICS		00000			
MICROPROCESSORS		00000	PART QUALITY GRADE/SCREEN CI TX/883	LASS	

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE APPLICATION	427 ECM/EW SIGNAL/DATA PROCESSOR AIRCRAFT	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION	429 GUIDANCE/NAVIGATION COMPUTER 73 AIRCRAFT
MAJOR PARAMETERS	Value	MISSION LENGTH	1 TO P HRS.
WEIGHT (LBS)	00054		
WOLUME (CU. FT.)	1.5E0	DESIGN APPROACH	
NO. OF MODULES	00007	PARALLEL	
HEIGHT (IN)	00013	DMA CHANNEL	
WIDTH (IN)	80008	DICITAL	
DEPTH (IN)	00025	DEDICATED	
COMPLEXITY		TECHNOLOGY	
TOTAL NUMBER OF PARTS	05857	MAGNETIC CORE	
NUMBER OF ACTIVE ELEMENTS	01570		
		MAJOR PARAMETERS	VALUE
ACTIVE ELEMENT COUNT		CLOCK FREQ (HZ)	1.0E6
TUBES	00000	WORD LENGTH (CHAR)	00016
DISCRETE SEMICONDUCTORS	80800	MEMORY SIZE (WORDS)	4.8E4
HYBRID ICS	00000	NO. OF REGISTERS	00016
LINEAR/INTERFACE ICS	002 74	NO. OF INPUT PORTS	00005
SSI/MSI DIGITAL ICS	004 69	NO. OF OUTPUT PORTS	00005
LSI/MEMORY ICS	00013	WEIGHT (LBS)	00041
MICROPROCESSORS	00006	HEIGHT (IN)	80000
		WIDTH (IN)	00011
		DEPTH (IN)	00014
		POWER CONSUMPTION (W)	3.2F2

PART QUALITY GRADE/SCREEN CLASS TX/883

TYPE OF COOLING FORCED AIR

FOUIPMENT ID FOUIPMENT CATEGORY FOUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	430 GUIDANCE/NAVIGATION INDICATOR/CONTROL 73 AIRCRAFT 1 TO 8 HRS	EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	431 CUIDANCE/NAVIGATION INDICATOR/CONTROL 73 AIRCRAFT 1 TO 8 HRS.
PESIGN APPROACH		DESIGN APPROACH	
ALPHANUMERIC		ALPHA NUMERIC	
MANUAL		KEYBOARD ENTRY	
CONTROL		CLOSED LOOP	
DISPLAY		CONTROL.	
MA TOD DATAMETERS		DISPLAY	
MAJOR PARAMETERS	VALUE		
NO. OF CONTROLS	00005	MAJOR PARAMETERS	VALUE
WEIGHT (LBS) HEIGHT (IN)	00002	NO. OF CHARACTER LINES	00001
WIDTH (IN)	00003 00006	NUMBER OF KEYS	00036
DEPTH (IN)	00005	NO. OF CHARACTER/LINE	00006
POWER CONSUMPTION (W)	1.6E1	NO. OF CONTROLS	00007
FORER CONSCRIPTION (W)	1.061	WEIGHT (LBS)	00008
COMPLEXITY		HEIGHT (IN)	00008
TOTAL NUMBER OF PARTS	00053	WIDTH (IN)	00006
NUMBER OF ACTIVE ELEMENTS	00033	DEPTH (IN) POWER CONSUMPTION (W)	00008 7,7F1
NOPER OF ACTIVE ELEMENTS	00023	POWER CONSUMPTION (W)	7.771
ACTIVE ELEMENT COUNT		COMPLEXITY	
TUBES	00000	TOTAL NUMBER OF PARTS	00263
DISCRETE SEMICONDUCTORS	00014	NUMBER OF ACTIVE ELEMENTS	00112
HYBRID ICS	00000		
LINEAR/INTERFACE ICS	00002	ACTIVE ELEMENT COUNT	
SSI/MSI DIGITAL ICS	00007	TUBES	00000
LSI/MEMORY ICS	00000	DISCRETE SEMICONDUCTORS	00003
MICROPROCESSORS	00000	HYBRID ICS	00003
		LINEAR/INTERVACE ICS	00017
		SSI/MSI DIGITAL ICS	00086
		LSI/MEMORY ICS	00003
		MICROPROCESSORS	00000

EQUIPMENT ID EQUIPMENT CATEGORY	432 GUIDANCE/NAVIGATION	EQUIPMENT ID EQUIPMENT CATEGORY	434 CUIDANCE/NAVIGATION
EQUIPMENT TYPE	INTERCONNECTION/DISTRIBUTION	FOUIPMENT TYPE	I/O DEVICE
DESIGN YEAR	73	DESIGN YEAR	73
APPLICATION MISSION LENGTH	AIRCRAFT 1 TO 8 HRS.	APPLICATION MISSION LENGTH	AIRCRAFT 1 TO 8 HRS.
EISSION LENGTH	1 10 6 HKS.	HISSION LENGTH	1 10 8 HK2.
DESIGN APPROACH		DESIGN APPROACH	
LORAN OR OMEGA		ALPHANUMERIC	
GEOGRAPHIC POSITION		NON-INTERACTIVE	
		DISPLAY	
TECHNOLOGY			
INERTIAL	•	MAJOR PARAMETERS	VALUE
DEAD RECKONING		NO. OF CHARACTER LINES	00003
RADIO		NO. OF CHARACTERS/LINE	00009
GIMBALFD		NO. OF CONTROLS	00003
		WEIGHT (LBS)	00003
MAJOR PARAMETERS	VALUE	HEIGHT (IN)	00003
WEIGHT (LBS)	00002	WIDTH (IN)	00006
HEIGHT (IN)	00003	DEPTH (IN)	00006
WIDTH (IN)	00003	POWER CONSUMPTION (W)	4.5E1
DEPTH (IN)	00008	, , , , , , , , , , , , , , , , , , ,	4.522
POWER CONSUMPTION (W)	3.0EO	COMPLEXITY	
AAAAN TIVI BU		TOTAL NUMBER OF PARTS	00300
COMPLEXITY TOTAL NUMBER OF PARTS	00120	NUMBER OF ACTIVE ELEMENTS	00116
NUMBER OF ACTIVE ELEMENTS	00120		
NUMBER OF ACTIVE ELEMENTS	00023	ACTIVE ELEMENT COUNT	
ACTIVE ELEMENT COUNT		TUBES	00000
TUBES	00000	DISCRETE SEMICONDUCTORS	81000
DISCRETE SEMICONDUCTORS	00000	HYBRID ICS	00001
HYBRID ICS	00011	LINEAR/INTERFACE ICS	00004
LINEAR/INTERPACE ICS	00004	SSI/MSI DIGITAL ICS	00091
SSI/MSI DIGITAL ICS	00004	LSI/MEMORY ICS	00002
LSI/MEMORY ICS	00002	MICROPROCESSORS	00000
MICROPROCESSORS	00000		
LI TOYAL MACCESSANS	VVVVV		

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	433 GUIDANCE/NAVIGATION CONVERTER D/A OR A/D 73 AIRCRAFT 1 TO 8 HRS.	
DESIGN APPROACH MULTIPROCESSOR DIGITAL DEDICATED		
MAJOR PARAMETERS WEIGHT (LBS) NO. OF MODULES HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)	VALUE 00020 00010 00009 00008 00009 1.4E2	

TYPE OF COOLING FORCED AIR

EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	435 GUIDANCF/NAVIGATION 1/0 DEVICE 73 AIRCRAFT 1 TO 8 HRS.	EQUIPMENT ID FQUIPMENT CATEGORY FQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	437 CUIDANCE/NAVIGATION SIGNAL/DATA PROCESSOR 73 AIRCRAPT 1 TO 8 HRS.
DESIGN APPROACH ALPHANUMFRIC DISPLAY		DESIGN APPROACH LORAN OR OMEGA GEOGRAPHIC POSITION	
MAJOR PARAMETERS NO. OF CHARACTER LINES NO. OF CHARACTERS/LINE NO. OF CONTROLS WEIGHT (LBS) HEIGHT (IN) WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W) COMPLEXITY	VALUE 00002 00004 00002 00001 00002 00002 00008 8.5E0	TFCHNOLOGY INERTIAL DEAD RECKONING RADIO GIMBALED MAJOR PARAMETERS WEIGHT (LBS) NO. OF MODULES HEIGHT (IN) WIDTH (IN)	VALUE 00013 00008 00006 00009
TOTAL NUMBER OF PARTS NUMBER OF ACTIVE ELEMENTS	00088 00023	DEPTH (IN) POWER CONSUMPTION (W)	00007 7.0E7
ACTIVE ELEMENT COUNT TUBES DISCRETE SEMICONDUCTORS HYBRID ICS LINEAR/INTERFACE ICS SSI/MSI DIGITAL ICS LSI/MEMORY ICS MICROPROCESSORS	00000 00011 00001 00002 00009 00000	TYPE OF COOLING FORCED AIR EQUIPMENT ID EQUIPMENT CATEGORY	438 GUIDANCE/NAVIGATION
		EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTR	POWER SUPPLY 73 AIRCRAFT 1 TO 8 HRS.
EQUIPMENT ID EQUIPMENT CATEGORY EQUIPMENT TYPE DESIGN YEAR APPLICATION MISSION LENGTH	436 GUIDANCE/NAVIGATION INERTIAL REFERENCE 73 AIRCRAFT 1 TO 8 HRS.	DESIGN APPROACH LORAN OR OMEGA GEOGRAPHIC POSITION TECHNOLOGY INERTIAL DEAD RECKONING	
DESIGN APPROACH LORAN OR OMEGA		RADIO GIMBALED	
TECHNOLOGY INERTIAL CIMBALED		MAJOR PARAMETERS WEIGHT (LBS) HEIGHT (IN) WIDTH (IN)	VALUE 00018 00007 00008 00008
MAJOR PARAMETERS WEIGHT (LBS) HEIGHT (IN)	VALUE 00022 00007 00008	PEPTH (IN) POWER CONSUMPTION (W) TYPE OF COOLING	1.161
WIDTH (IN) DEPTH (IN) POWER CONSUMPTION (W)	00013 2-2Ei	FORCED AIR	

EOUIPMENT ID
FOUIPMENT CATECORY
FOUIPMENT TYPE
DESIGN YEAR
APPLICATION
HISSION LENGTH

439
GUIDANCE/NAVIGATION
RECEIVER
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH LORAN OR OMECA CEOGRAPHIC POSITION

TECHNOLOGY
INEPTIAL
DEAD RECKONING
RADIO
CIMBALFD

 MAJOR PARAMETERS
 VALUE

 WEIGHT (LBS)
 00013

 NO. OF MODULES
 00012

 HEIGHT (IN)
 00008

 WIDTH (IN)
 00004

 DEPTH (IN)
 00013

 POWER CONSUMPTION (W)
 1.1E1

APPENDIX

ADDITIONAL RAC SERVICES

ADDITIONAL RAC SERVICES

Search Services

Retrospective Searches are conducted at a flat fee of \$125 per search. If no references are identified, a \$50 service charge will be made in lieu of the above. For best results, please call or write for assistance in formulating your search question. An extra charge, based on engineering time and costs, will be made for evaluating, extracting or summarizing information from the cited references.

Consulting Services

Consulting Service fees are determined by the costs incurred in the conduct of the designated work, including staff time and overhead, materials and other expenses. Work will be initiated upon receipt of a signed purchase order. We will be pleased to prepare firm cost proposals.

Full Service Participating Plans

Two plans are offered to both government and industry:

Participating	Member	(PM).										\$1,540
Participating	Associate	(PA).										340

Services provided to a Participant in either plan are:

- . Automatic receipt of one (1) copy of each RAC microcircuit and semiconductor device databook issued over twelve months at a savings of \$70.
- . Availability of additional copies of each of the above databooks at 20% off list price.
- . Discount on registration fees for RAC sponsored training courses, seminars, workshops, etc.

In addition, the Participating Member may access RAC resources as needed without issuing purchase orders. Up to 50 man-hours of professional consultation are authorized.

Blanket Purchase Order

The Blanket Purchase Order option enables you to write a single Purchase Order for a stipulated maximum dollar amount (depending on your needs) and active time duration (a one-year period is suggested), but you pay only for services rendered or documents purchased.

Military Agencies: Blanket Purchase Agreement, DD Form 1155, may be useful for ordering RAC reports and/or services. Please stipulate maximum dollar amount authorized and cutoff date on your order. Also specify services (e.g., publications, search services, etc.) to be provided. Identify vendor as IIT Research Institute (Reliability Analysis Center).

Ordering Information

Place orders or obtain additional information directly from the Reliability Analysis Center. Clearly specify the publications and services desired. Except for blanket purchase orders, prepayment is required. All foreign orders must be accompanied by a check drawn on a U.S. bank. Please make checks payable to IITRI/RAC.

SERVICE FEE SCHEDULE AND ORDERING INFORMATION

Price Per Copy

Com	panent Relia	bility Databooks	1			
				Issue Data	Domestie	Foreign
()	MDR-11	Linear/Interfe	ce Data	May 1979	80.00	70,00°
()	MDR-12	Digital Failur		June 1979	60.00	70.00°
()	MDR-13	Memory/LSI	,	Set: \$310 November 1979	60.00	70.00°
()	MDR-14	Hybrid Circui		ion U.S.) March 1980	60.00	70.00*
()	MDR-15	Digital Evalu	ition and Generic	August 1980	60.00	70.00
			Nysis Data - Vols, 1 and 11			
()	OSR-3	Transiston/Dic	ode Data	January 1980	60.00	70.00**
()	NPRD-1	Nonelectronic	Perts Reliability Data	August 1978	60.00	70.00°
Equip	ment Databo	oks				
()	EERD-1	Electronic Eq	uipment Reliability Data.	October 1980	60.00	70.00°
()	EEMD-1	Electronic Eq	uipment Maintainability Data	October 1980	60.00	70.00
RAC	Design Hand	ibook				
()	RDH-376	Reliability De	sign Handbook	March 1976	36.00	46.00**
Techn	rical Reliabili	ity Studies				
()	TRS-1	Microcircuit S	icreening Effectiveness		38.00	46.00°
()	TRS-2		etrieval Index to IRPS Proceed	inos1968 to 1978	24.00	34.00**
()	TRS-3		thnology Abstracts		24.00	34.00*
()	TM 72-1	Microcircuit Y	Vire Bond Reliability		24.00	34.00
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